

Utah's Healthy People 2000 Health Status Indicators

by Local Health District

**Bureau of Surveillance and Analysis
Office of Public Health Data**



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May 1998

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Acknowledgments

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Introduction

In July 1991, the Centers for Disease Control released a set of health status indicators, in response to Objective 22.1 of Healthy People 2000. CDC attempted to develop a set of health status indicators that would: be few in number; allow a comprehensive measure of community health; include general and specific measures of community health; be measurable at federal, state, and local levels; be readily and uniformly understandable; be measurable using available data; imply specific interventions compelling action; and be outcome oriented.

This is an update on the Healthy People 2000 Health Status indicators for the 12 local health department districts in Utah. The data are presented so that policy implications relevant to each local health department district can be considered. Recent national data are presented. Health, as measured by several of these indicators, differs substantially among racial and ethnic groups in the United States. A higher proportion of Utah's population is white (95%) than is true of the U.S. Therefore, in addition to the U.S. overall rates, we also present U.S. rates for white persons. Appendix 3 presents data on the Health Status Indicators for the major racial and ethnic groups in the U.S.

The health status indicators are often difficult to interpret for districts with populations smaller than about 50,000 people. Rates for Summit, Wasatch, and Tooele counties, and Tri-County district should be interpreted with caution. One way to determine if a high rate means that a problem exists is look at variations over time; if the rate is always high, then a problem may exist; on the other hand, if the rate varies from high to low, then the high rate may well be a chance variation based on small numbers. Appendix 4 presents additional information on how to interpret rates based on small numbers. This report presents data for 1988-1996. The ACTION-2000 computer system is available to obtain data for different periods of time.

The report has two parts. Part 1 presents a description of each of the health status indicators. Under the description for each indicator, the data for all 12 local health department districts are presented. For example, on page 1 the infant mortality rates for each of the 12 districts are presented, as well as the relevant Utah and U.S. rates for comparison. Two Utah rates are presented: first, the rate above the graph is for the same year as the most recent available U.S. rate, in order to compare Utah to the U.S.; and second, the rate below the graph is for the same time period as the LHD rates, in order to compare the LHD rates to Utah. The narratives for the individual health status indicators briefly describe the relationships between the individual local health department rates and the Utah and U.S. rates, but are not intended to be a comprehensive analysis of the data. Data are not included for syphilis, one of the Healthy People 2000 Health Status Indicators, because too few cases occur in Utah for meaningful analysis at the district level.

Part 2 contains profiles for each local health department district. Each profile contains demographic and risk factor information for a local health department, as well as results for each of the health status indicators for that local health department. The risk factor information in this report was obtained from the 1996 Utah Health Status Survey, conducted by the Utah Department of Health.

Abbreviations for Local Health Districts Used in Graphs

- BR Bear River Health District
- Cen Central Utah Public Health District
- Dav Davis County Health District
- SL Salt Lake City/County Health District
- SE Southeastern Utah District Health District
- SW Southwest Utah Public Health District
- Sum Summit County Public Health District
- Tle Tooele County Health District
- TC Tri-County Health District
- UtC Utah County Health District
- Was Wasatch City/County Health District
- W-M Weber/Morgan District Health District

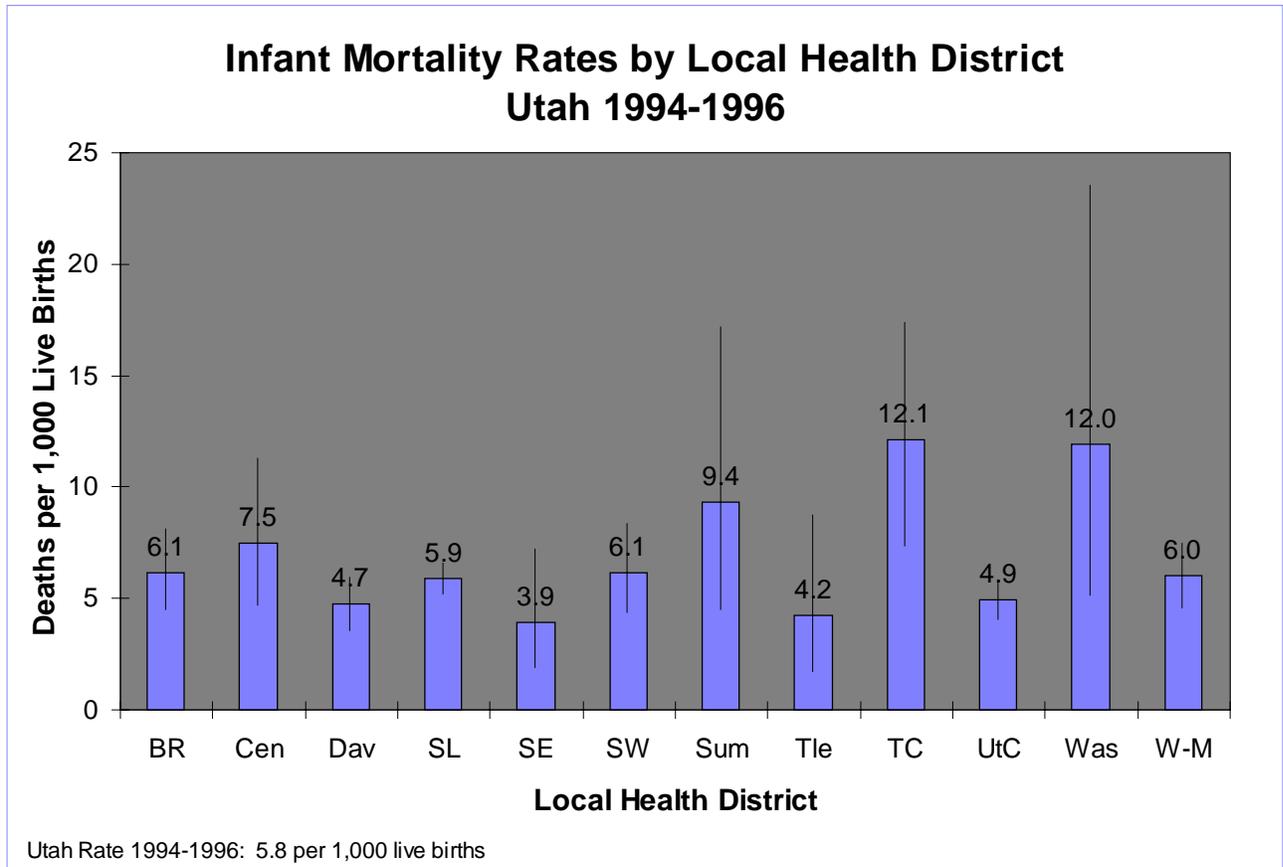
Infant Mortality

The rate of infant mortality (deaths of infants less than one year of age) is an important measure of the health of infants and mothers. It also assesses the delivery of health care and related services to mothers and infants. Utah's overall infant mortality rate is among the lowest of all states.

Utah's infant mortality rate decreased by over 40% from 1980 to 1992, but has changed little since 1992. Most of Utah's Health Districts have also experienced declining rates of infant mortality; these include Bear River, Central, Davis, Salt Lake, Southeastern, Southwest, Utah County, and Weber-Morgan.

Trends for the districts with small populations (Summit, Tooele, Wasatch, and Tri-County) are difficult to interpret.

Utah 1995: 5.2/1,000 live births
 U.S. 1995: 7.6/1,000 live births (all races)
 U.S. 1995: 6.3/1,000 live births (whites)

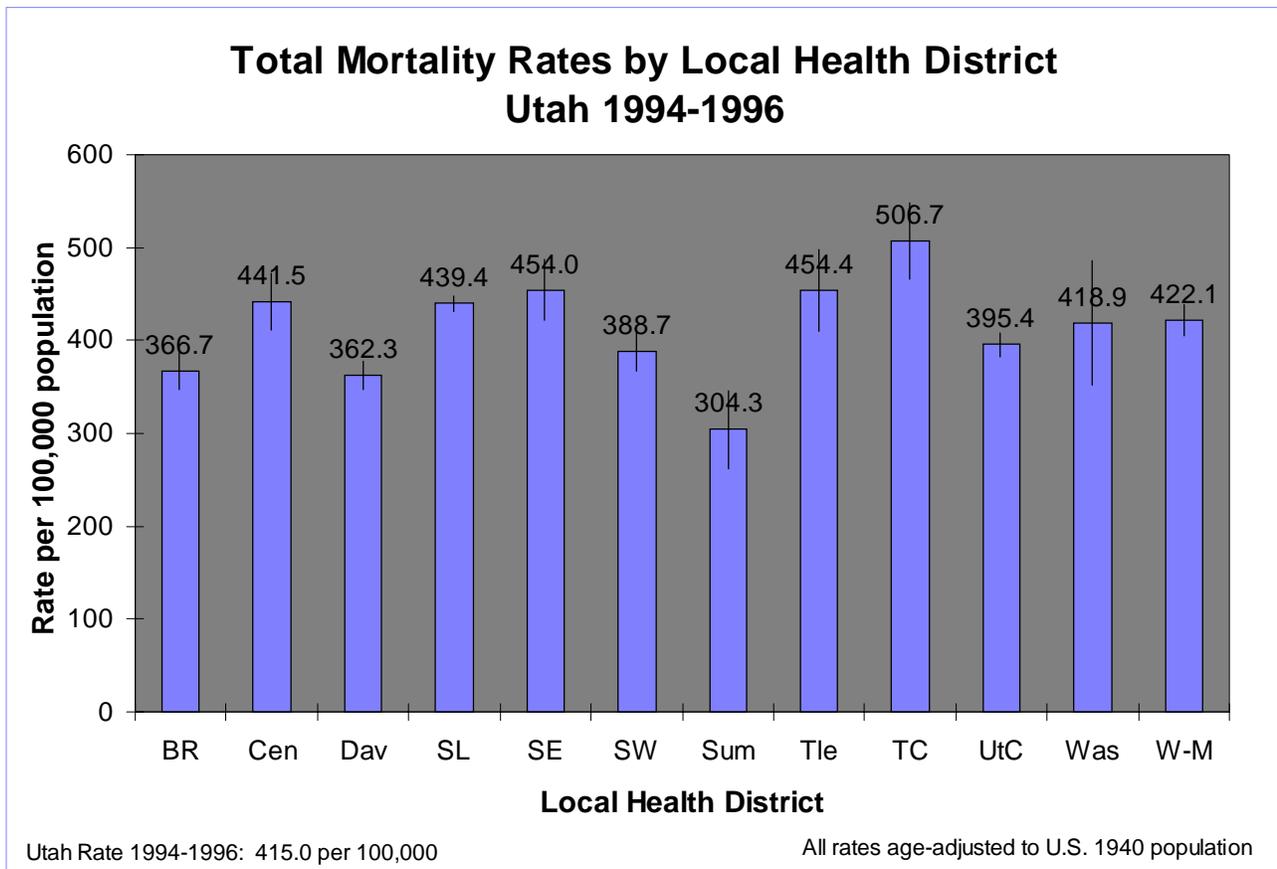


Total Mortality

Utah's age-adjusted all-cause mortality rate has decreased steadily and is almost 20% lower than the U.S. rate and substantially lower than the U.S. white rate. Highest rates were found in Southeastern, Tooele, and Tri-County, and lowest rates in Bear River, Davis, and Summit County.

Utah 1995: 420.0/100,000

U.S. 1995: 503.9/100,000 (all races)
U.S. 1995: 476.9/100,000 (whites)

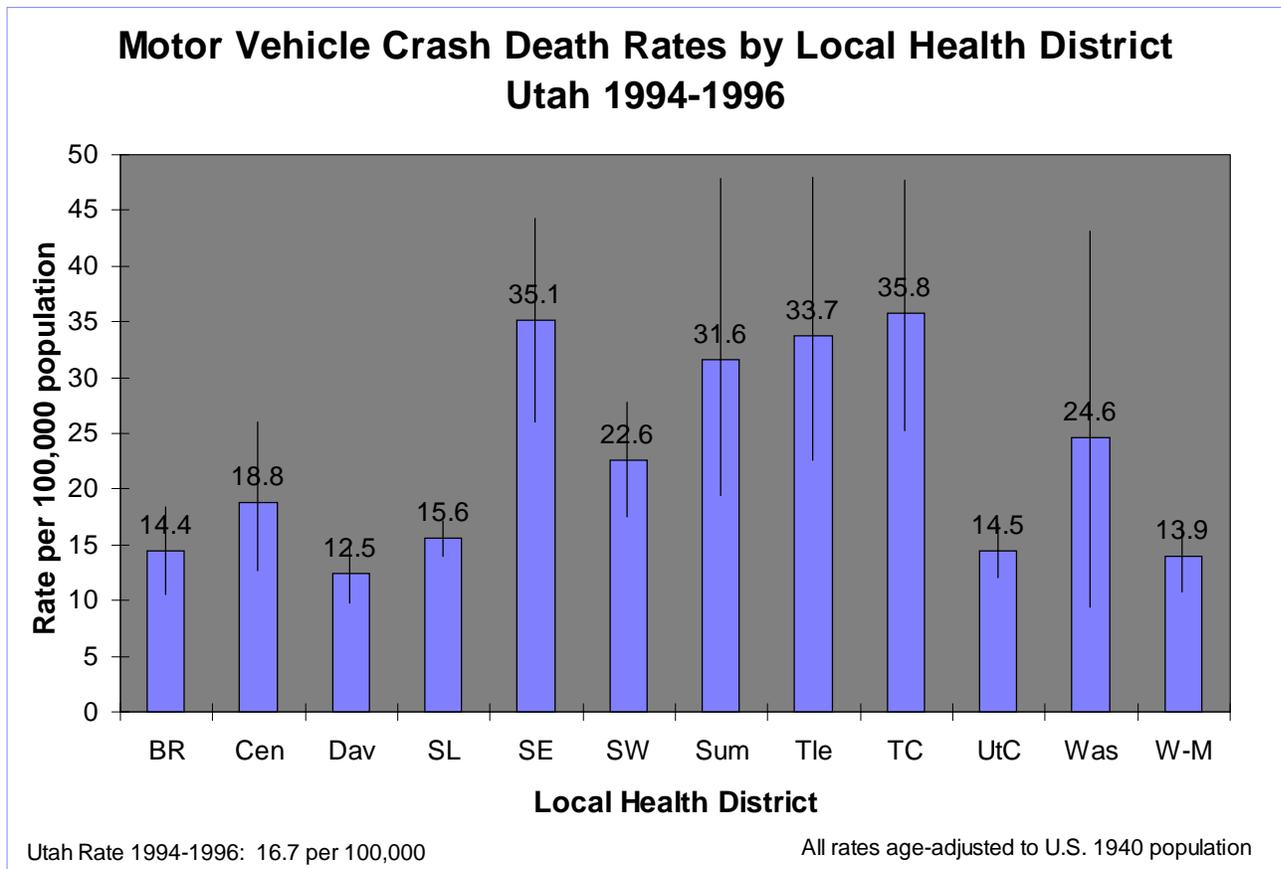


Motor Vehicle Crash Deaths

The highest death rates from motor vehicle crashes continued to occur in Southeastern and Tri-County districts. Motor vehicle crash death rates tended to be higher in the rural health districts where residents often drive longer distances at higher speeds than do residents of urban areas.

Utah 1995: 16.6/100,000

U.S. 1995: 18.3/100,000 (all races)
U.S. 1995: 16.4/100,000 (whites)



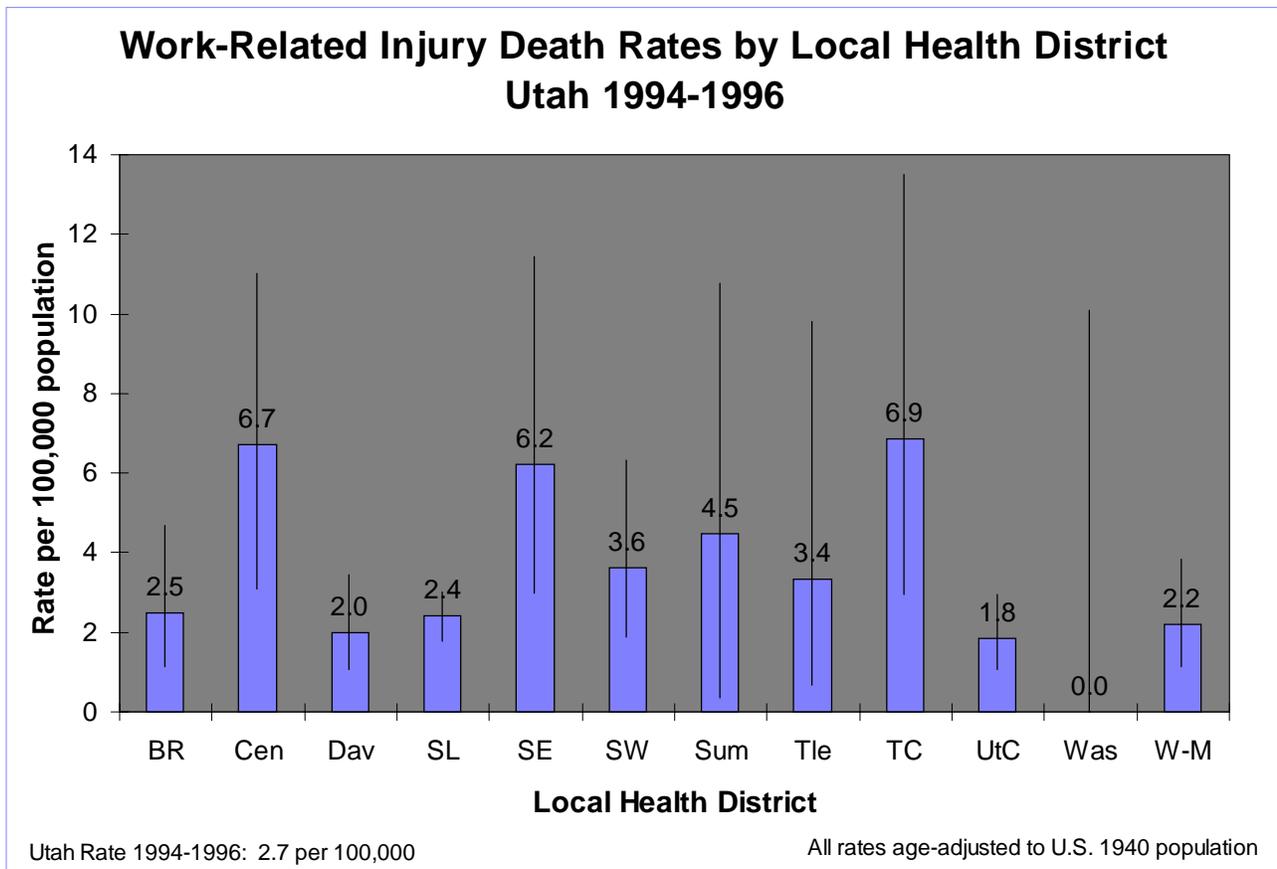
Work-Related Injury Deaths

Work-related injury deaths involve all segments of the population, and most such deaths could have been prevented. Each year in Utah about 50 people die as a result of a work-related injury. Men are at highest risk of death from work-related injury.

Because of the small numbers of deaths, it is difficult to evaluate differences among local health districts. For example, the high rate in Central district during this three-year period was based on only 4 deaths per year, and the high rate in Tri-County was based on only 3 deaths per year.

Utah 1995: 2.3/100,000

U.S. 1995: 3.0/100,000 (all races)
U.S. 1995: 2.9/100,000 (whites)



Suicide

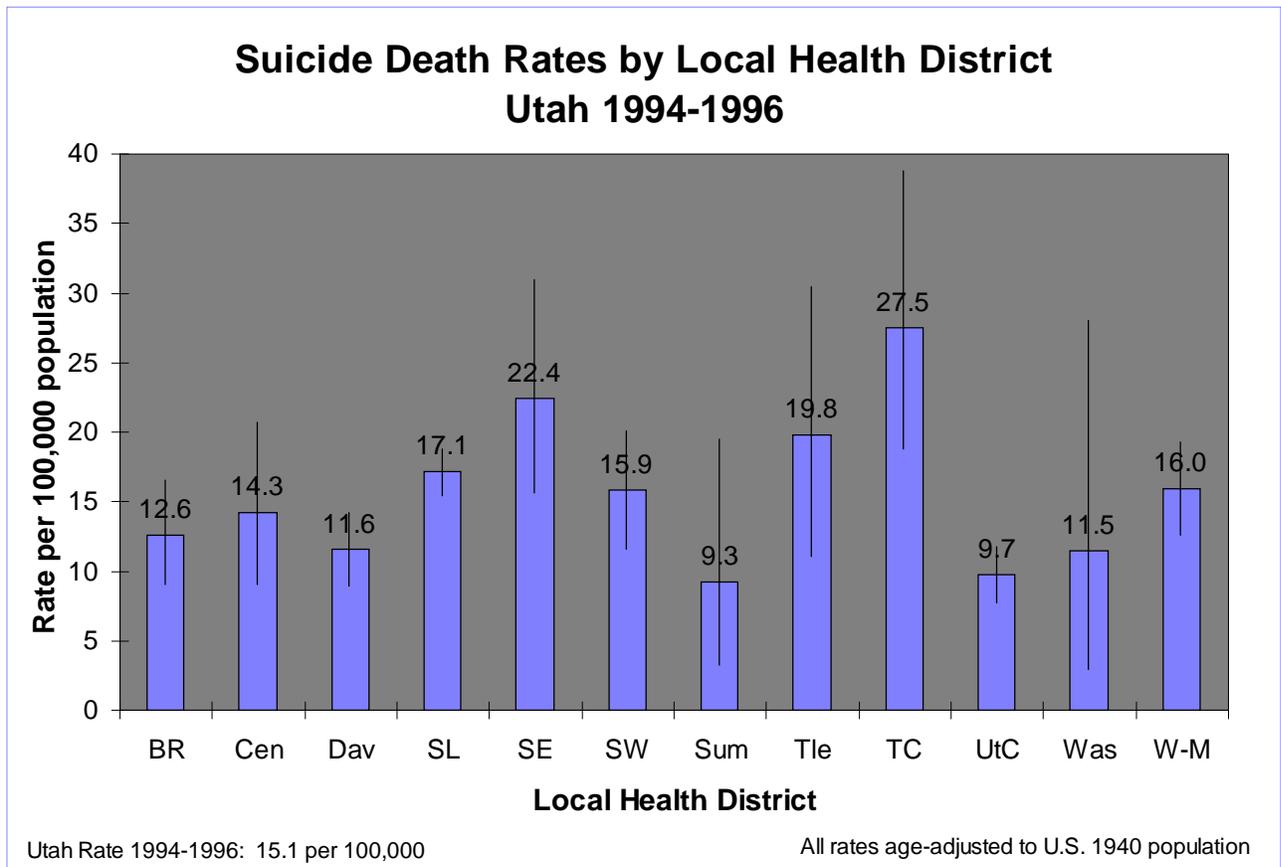
Suicide is one of the few causes of death for which the Utah rate exceeds the U.S. rate. In 1994, Utah had the 9th highest suicide rate in the U.S.

Bear River, Utah County, and Davis County have consistently had lower suicide rates than the rest of Utah, whereas Salt Lake, Weber-Morgan, and Southeastern have consistently had higher rates.

Utah 1995: 15.1/100,000

U.S. 1995: 11.2/100,000 (all races)

U.S. 1995: 11.9/100,000 (whites)



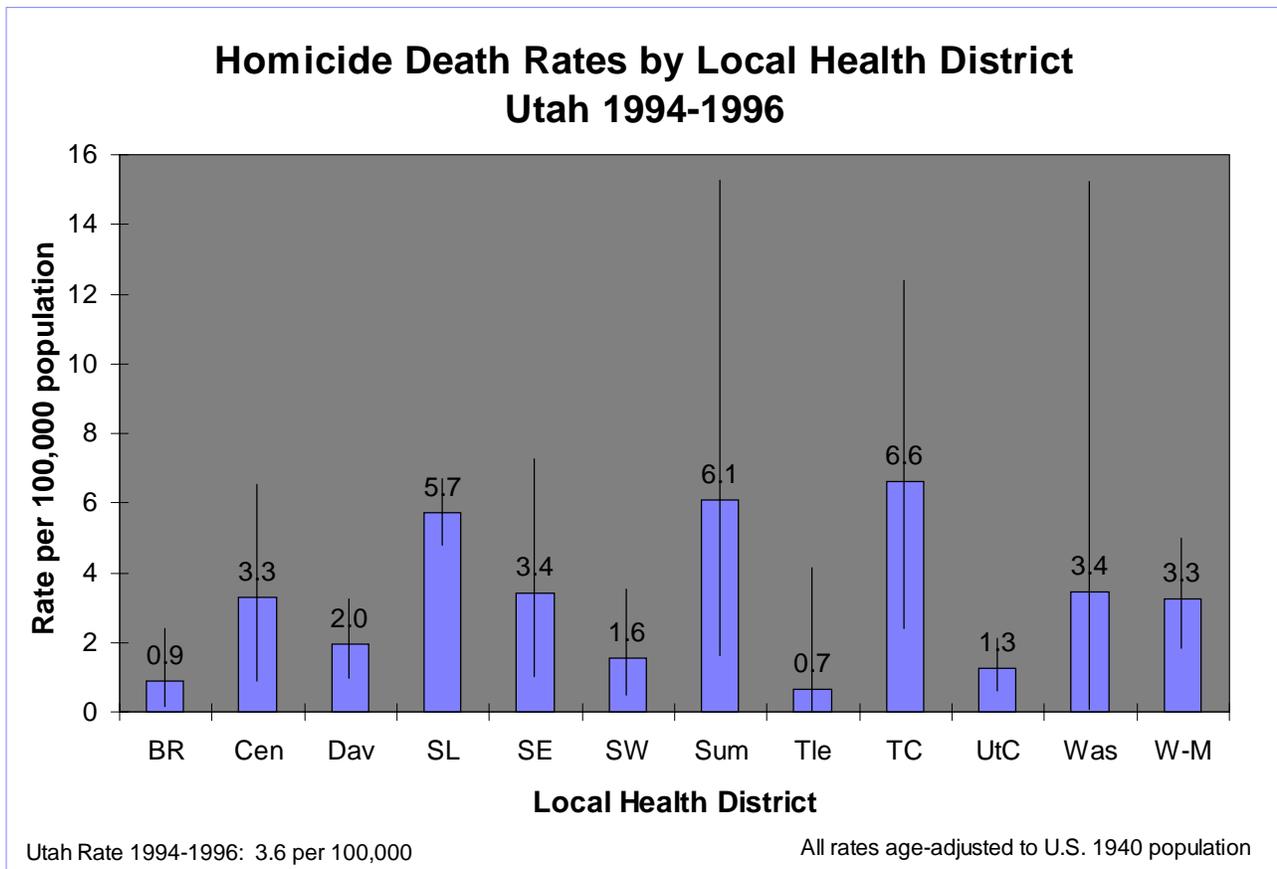
Homicide and Legal Intervention Deaths

Utah's death rate from homicide was substantially lower than the U.S. rate.

The majority of Utah's homicide deaths occurred among residents of Salt Lake and Weber counties. In 1994, Salt Lake and Weber counties accounted for 73% of homicide deaths (although those two counties account for only 50% of the state's population. The other urban Wasatch Front counties (Davis and Utah) had low homicide rates. Summit and Tri-County districts had high homicide rates during this three-year period, but those high rates were based on relatively few deaths (4 and 7 deaths in the three-year period, respectively).

Utah 1995: 3.9/100,000

U.S. 1995: 9.4/100,000 (all races)
U.S. 1995: 5.5/100,000 (whites)

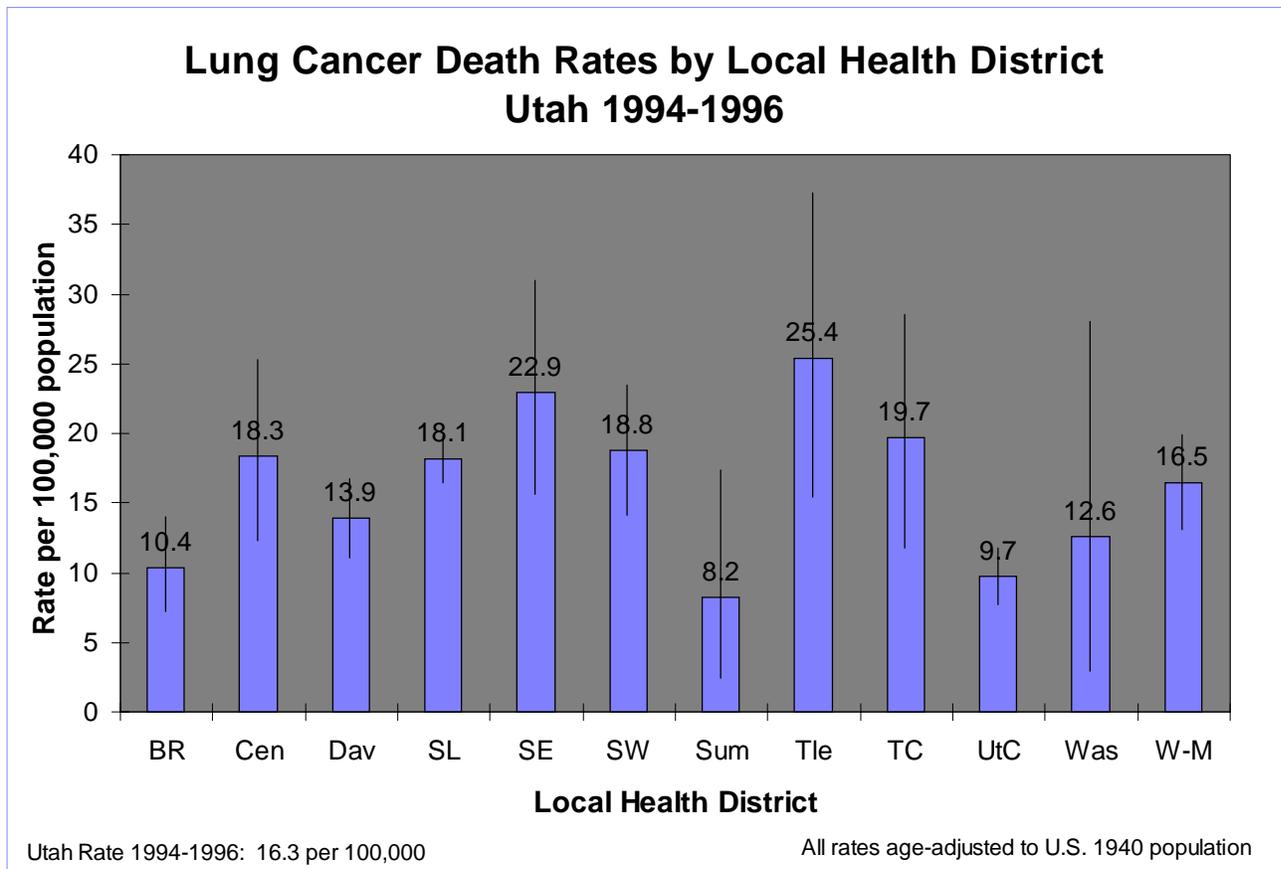


Lung Cancer Deaths

In Utah, over 300 people die each year from lung cancer. Utah's lung cancer death rate is less than half the U.S. rate. Utah's low lung cancer death rate is a result of the low rates of tobacco use in Utah. In general, lung cancer mortality rates in Utah's health districts are closely related to smoking rates; districts with higher smoking rates have higher lung cancer mortality rates.

Utah 1995: 16.5/100,000

U.S. 1995: 38.3/100,000 (all races)
U.S. 1995: 38.0/100,000 (whites)



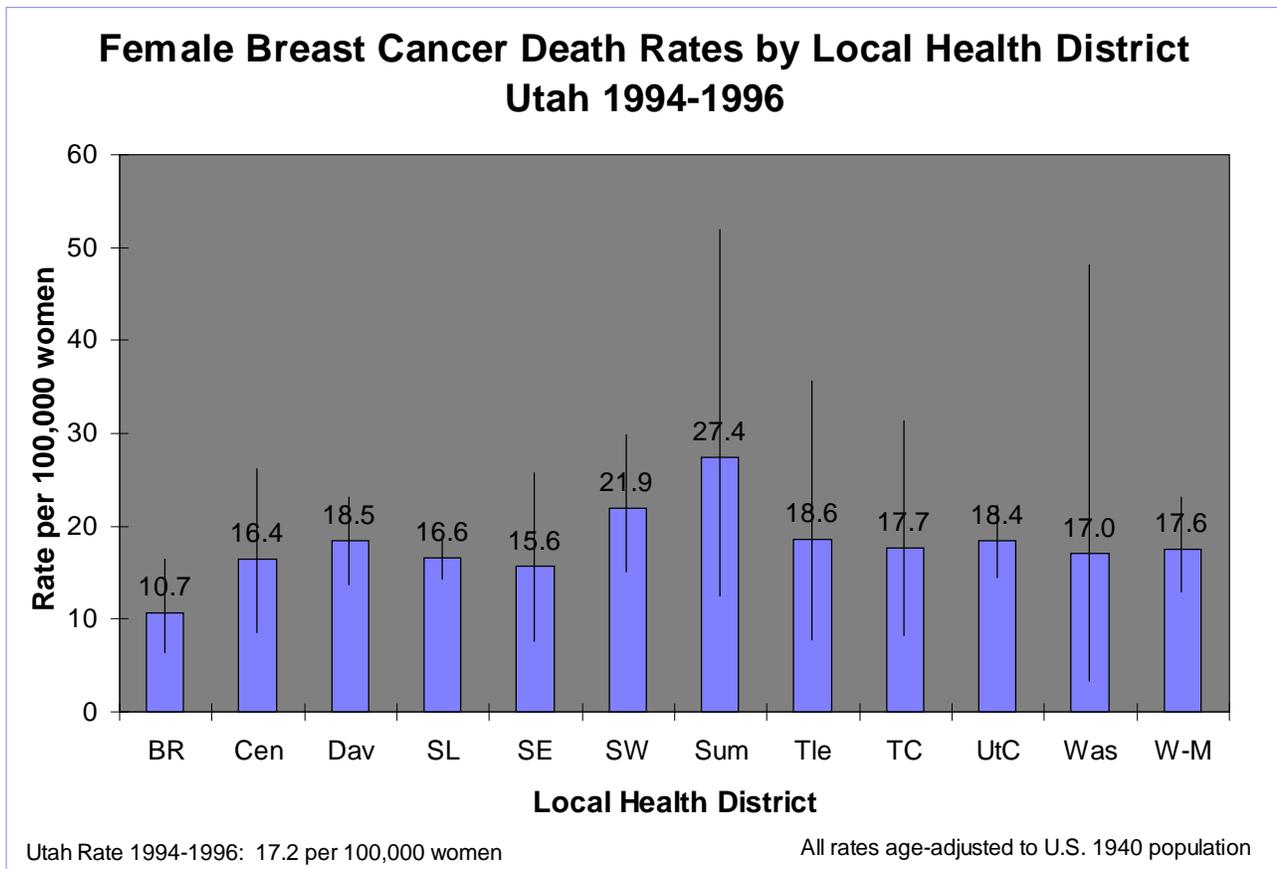
Female Breast Cancer Deaths

Although Utah's mortality rate from breast cancer is lower than the U.S. rate, breast cancer is a major cause of morbidity and mortality among Utah women. Over 800 Utah women are newly diagnosed with breast cancer and almost 200 women die from the disease each year. Data from the Utah Cancer Registry show an increase over time in the proportion of breast cancers diagnosed at an early and potentially curable stage.

Breast cancer mortality rates do not vary significantly among Utah's local health districts; the high rate in Summit County during this three-year period was based on very small numbers and is not a reliable indicator.

Utah 1995: 17.7/100,000

U.S. 1995: 21.0/100,000 (all races)
U.S. 1995: 20.5/100,000 (whites)



Cardiovascular Disease Deaths

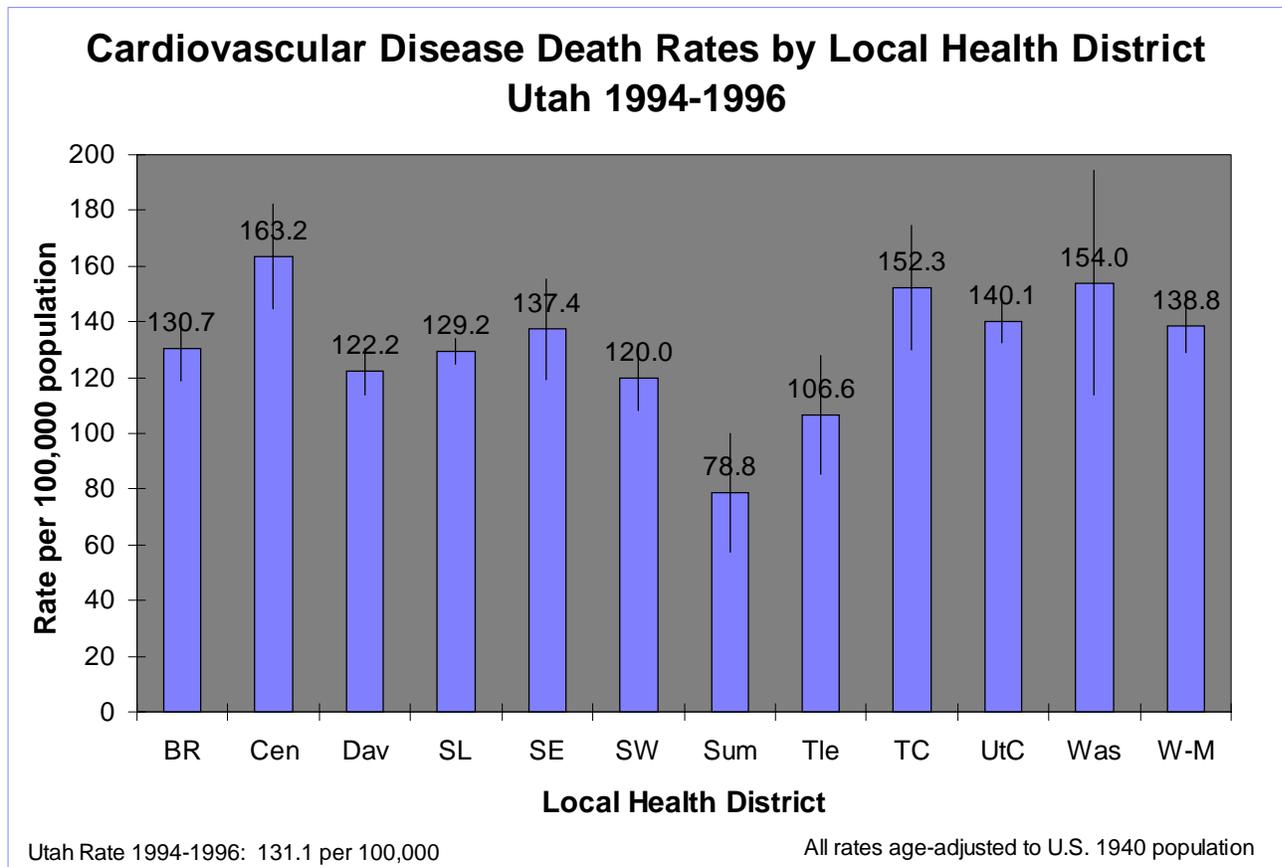
More Utahns die of cardiovascular disease than from any other cause, despite the reduction in mortality over the past two decades. Cardiovascular disease is the leading cause of death in each of Utah's twelve local health districts as well.

The main components of cardiovascular disease are heart disease and stroke. Data on heart disease and stroke by local health district are presented on the next two pages.

Utah 1995: 132.3/100,000

U.S. 1995: 174.9/100,000 (all races)

U.S. 1995: 167.2/100,000 (whites)



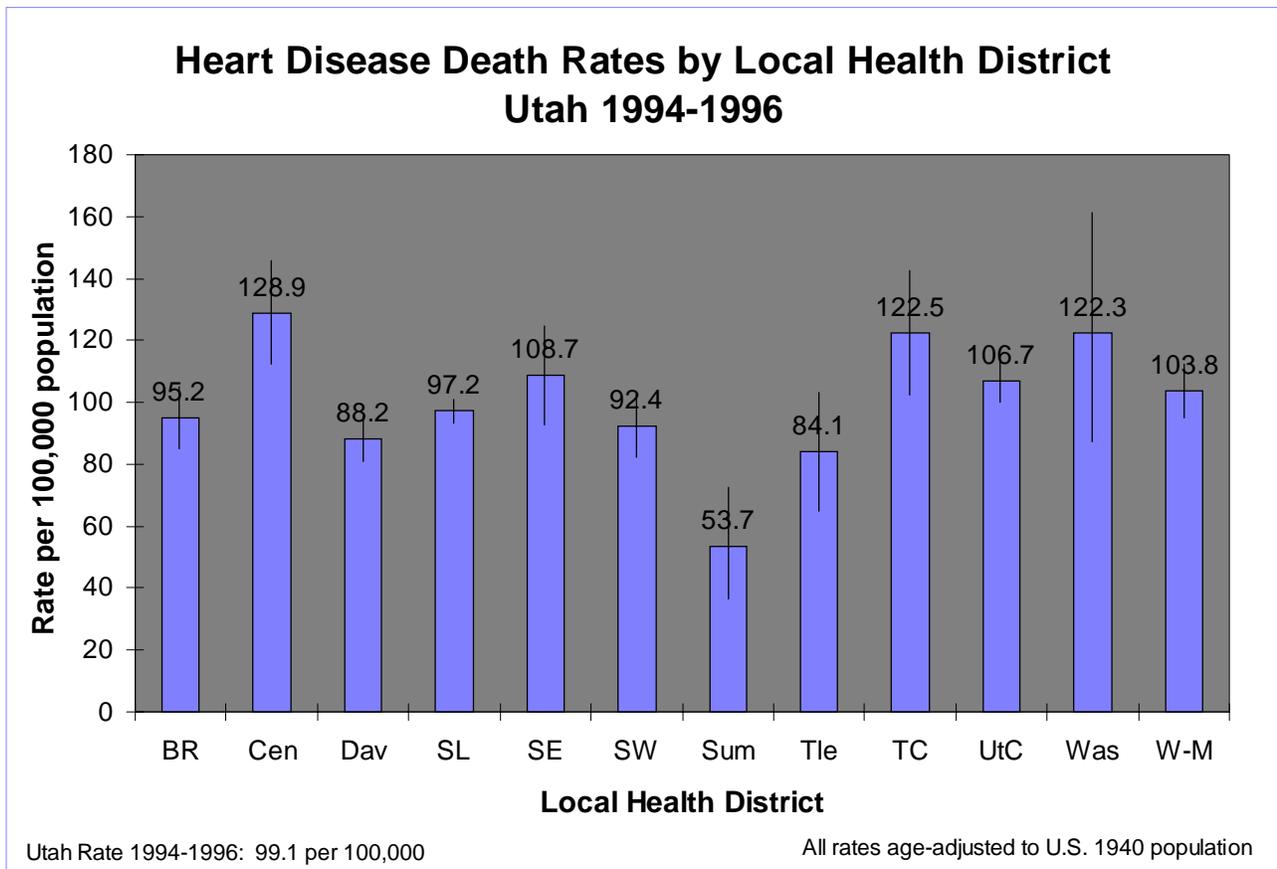
Heart Disease Deaths

Heart disease accounts for about three-quarters of cardiovascular disease deaths. Utah's heart disease death rate is about 27% lower than the U.S. rate. Most heart disease deaths are due to coronary artery disease. Both Utah and the U.S. have experienced dramatic declines in heart disease death rates over the past decades. Despite those declines, heart disease remains the leading cause of death in Utah and in most health districts.

Heart disease death rates are highest in Central district and lowest in Summit district.

Utah 1995: 101.0/100,000

U.S. 1995: 138.3/100,000 (all races)
U.S. 1995: 133.1/100,000 (whites)



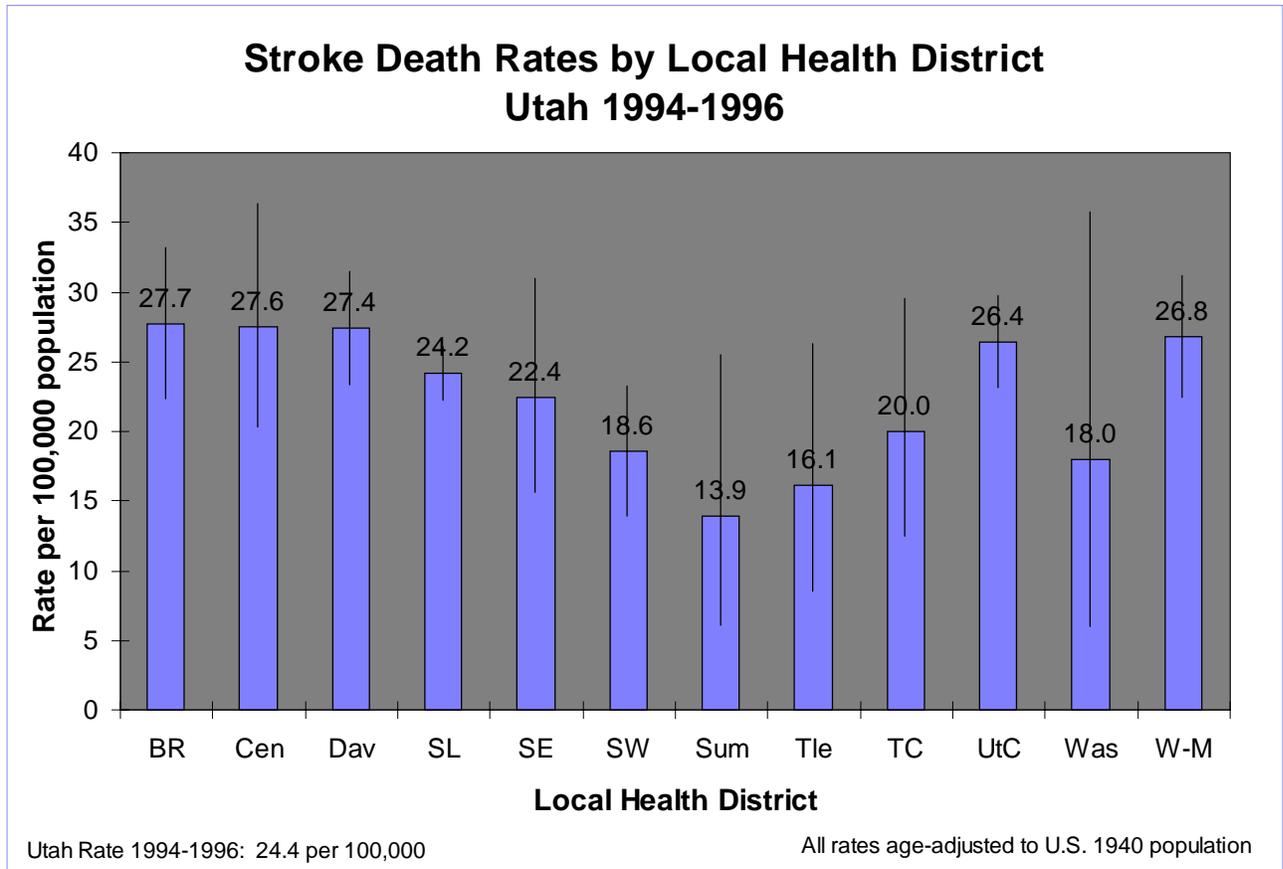
Stroke Deaths

Cerebrovascular disease, the cause of strokes, accounts for about one-fifth of cardiovascular disease deaths. In addition to being an important cause of death, strokes can have devastating effects on quality of life for victims who survive.

The death rate from strokes in Utah declined by about 30% from 1980 to 1992, but has leveled out since then. The highest death rates from stroke were found in Bear River and Central districts and in Davis County; the lowest rate was in Summit County.

Utah 1995: 24.2/100,000

U.S. 1995: 26.7/100,000 (all races)
 U.S. 1995: 24.7/100,000 (whites)

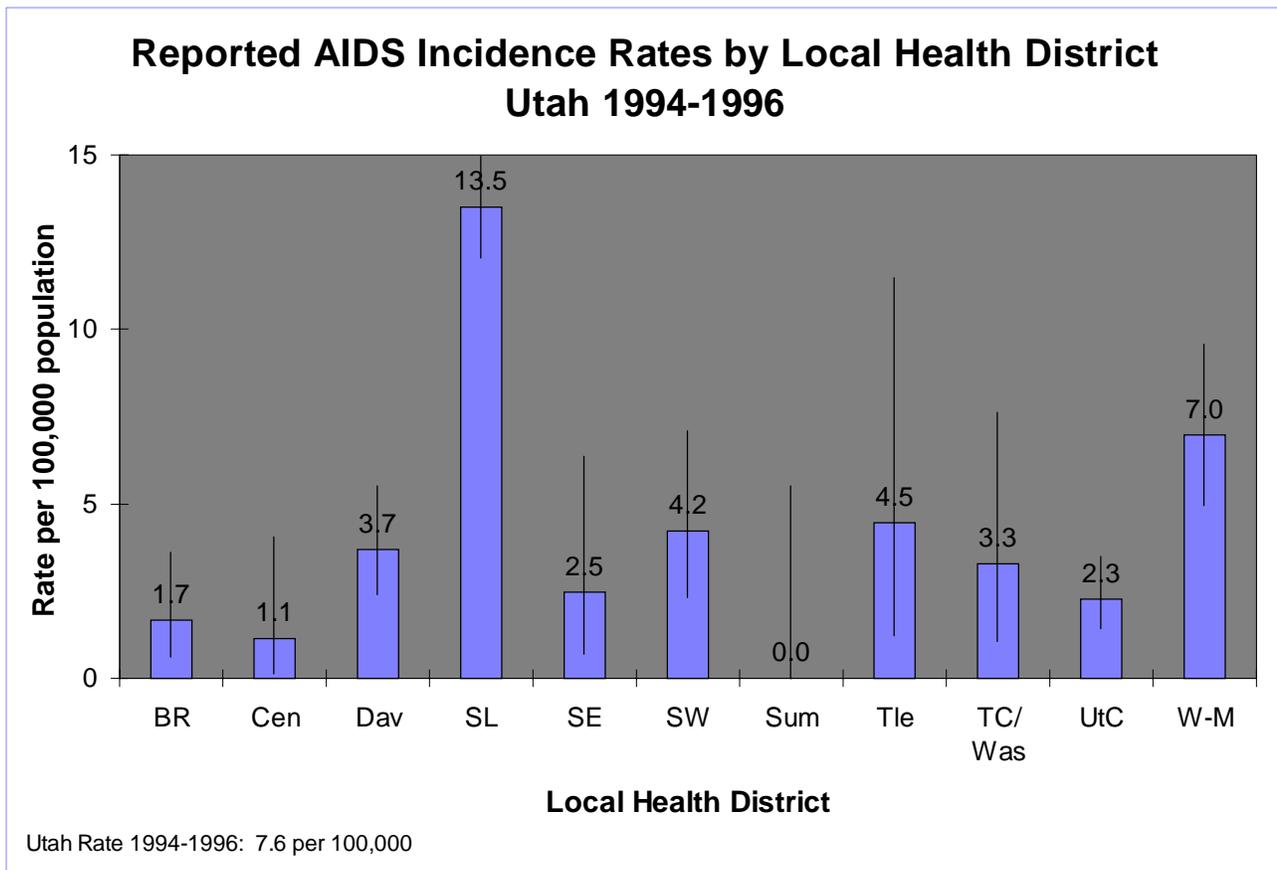


AIDS Incidence

AIDS is a major public health problem. Data can be examined either by date of report or by date of diagnosis. Because date of diagnosis more accurately reflects the epidemiology of the disease, the graph shown on this page displays the data by date of diagnosis; however, the numbers will change because of delayed reporting. Cumulatively since the onset of the AIDS epidemic, over 1,500 cases of AIDS had been diagnosed in Utah through mid-1995; 849 people (56%) had died.

During this three-year time period, cases of AIDS are reported from 10 of the 12 health districts. During the epidemic, cases have been diagnosed in all of Utah's health districts. Because of confidentiality, the data for Wasatch and Tri-County districts were combined. The incidence of AIDS was highest in Salt Lake County.

Utah 1995: 7.8/100,000
 U.S. 1995: 25.7/100,000 (all races)
 U.S. 1995: 13.9/100,000 (whites - non-Hisp)



* These provisional data are current as of 1/29/98; numbers will change due to delayed reporting.

Footnote: Monitoring incidence of HIV infection using reported AIDS cases is difficult for several reasons. First, it takes about 10 years on average from the time a person becomes infected with HIV until the onset of the disease, AIDS. Thus, the reported AIDS cases in 1996 actually represent infections that were acquired in about 1986. Second, reporting is not complete and the completeness can vary from year to year. Third, the date a person is reported can occur at varying times after the diagnosis of AIDS is made. For this report, AIDS incidence was calculated by year of diagnosis. While this removes some of the effect of lags in reporting, it also means that the rate for the most recent years is artificially low (e.g., additional cases diagnosed in 1996 will almost certainly be reported in future years).

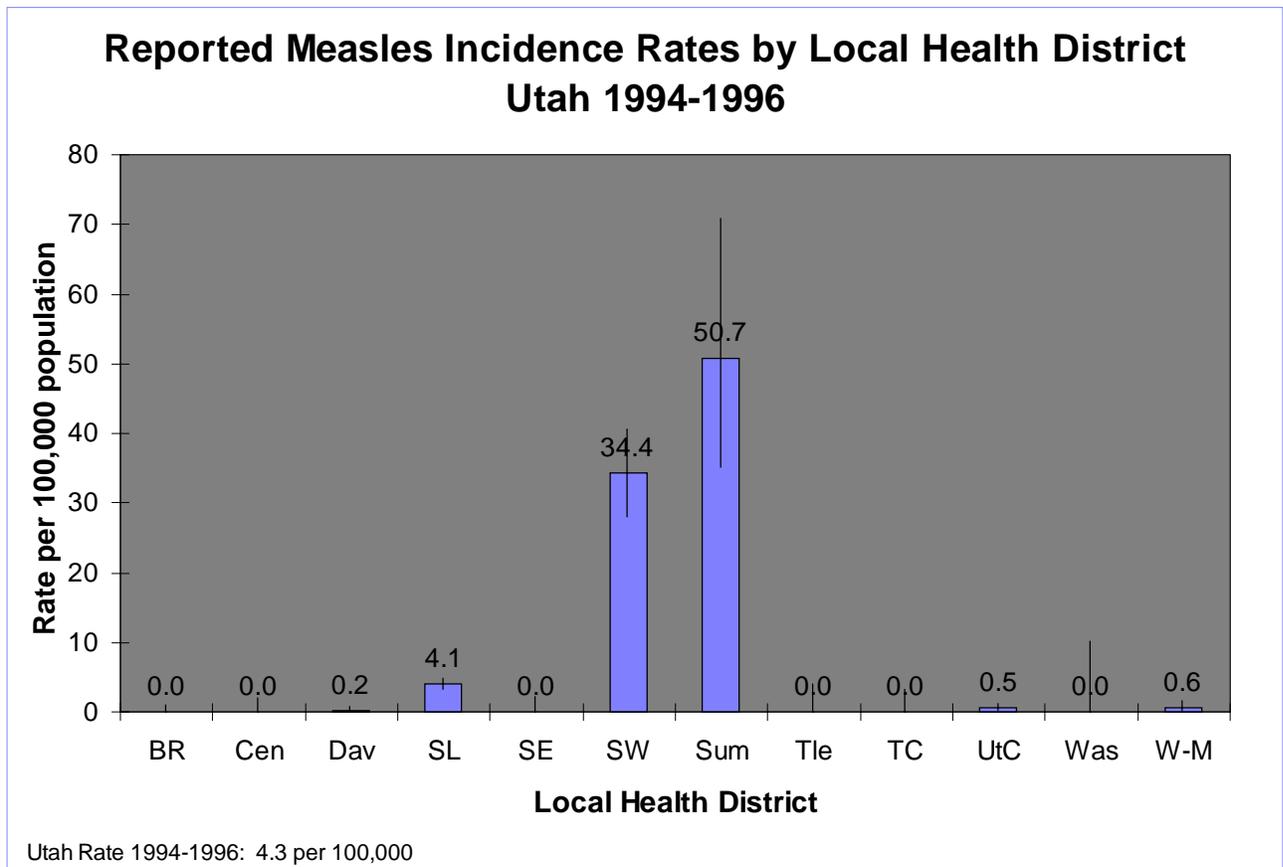
Measles Incidence

Measles is a contagious viral infection that most often affects children and often occurs as outbreaks or epidemics. Measles can be prevented by immunization and measles outbreaks can be prevented if a high proportion of people in a population are immunized. Utah's immunization rates for two year-olds have been among the lowest in the nation in recent years.

Utah experienced measles outbreaks in 1994 and 1996. The largest number of cases occurred in Southwest district, but the highest rate was in Summit County.

Utah 1994: 7.1/100,000
 Utah 1995: 0.0/100,000
 Utah 1996: 5.9/100,000

U.S. 1994: 0.4/100,000 (all races)
 U.S. 1995: 0.1/100,000 (all races)



Tuberculosis Incidence

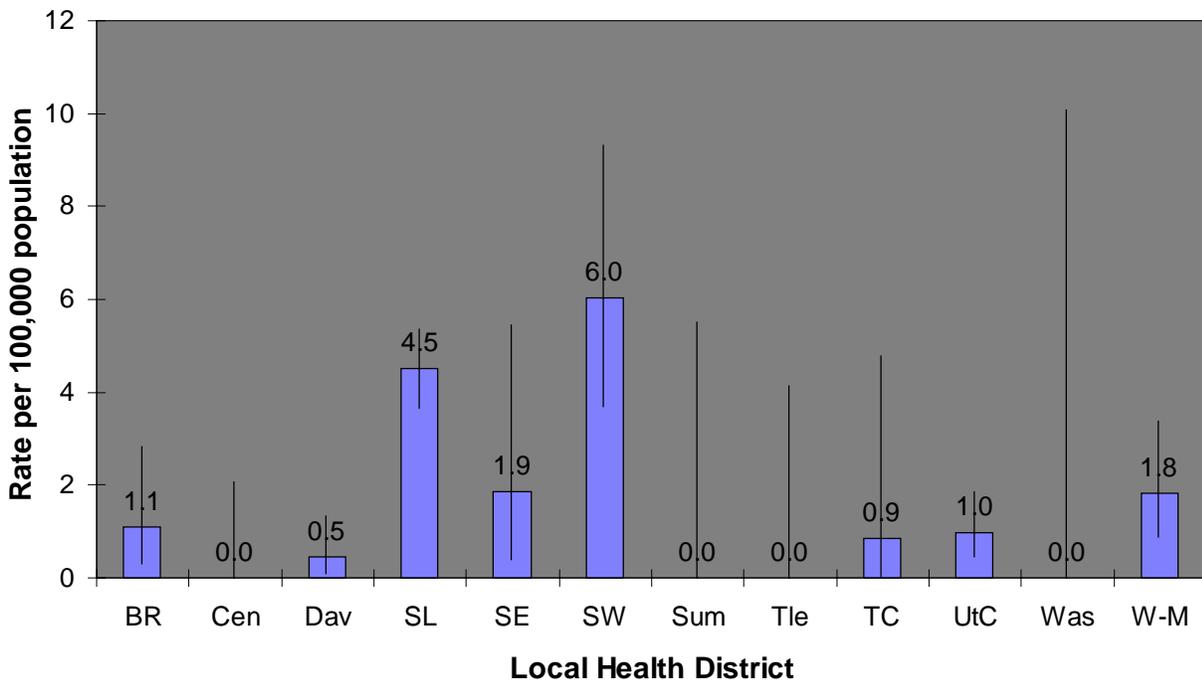
Nationally, tuberculosis incidence is changing because of HIV infection and the increase in homeless populations. Although Utah's tuberculosis rate is not as high as the U.S. rate, some Utah populations (especially homeless persons and persons born in countries where tuberculosis is common) have high tuberculosis rates. Individuals with AIDS are also more likely to develop TB and to have a more rapidly progressive illness.

Although tuberculosis has been diagnosed in every health district in the state, the highest rate during this time period occurred in Southwest district, and majority of cases were diagnosed in Salt Lake City/County district.

Utah 1995: 2.3/100,000

U.S. 1995: 8.7/100,000 (all races)
 U.S. 1995: 4.9/100,000 (whites)

**Reported Tuberculosis Incidence Rates by Local Health District
 Utah 1994-1996**



Utah Rate 1994-1996: 2.7 per 100,000

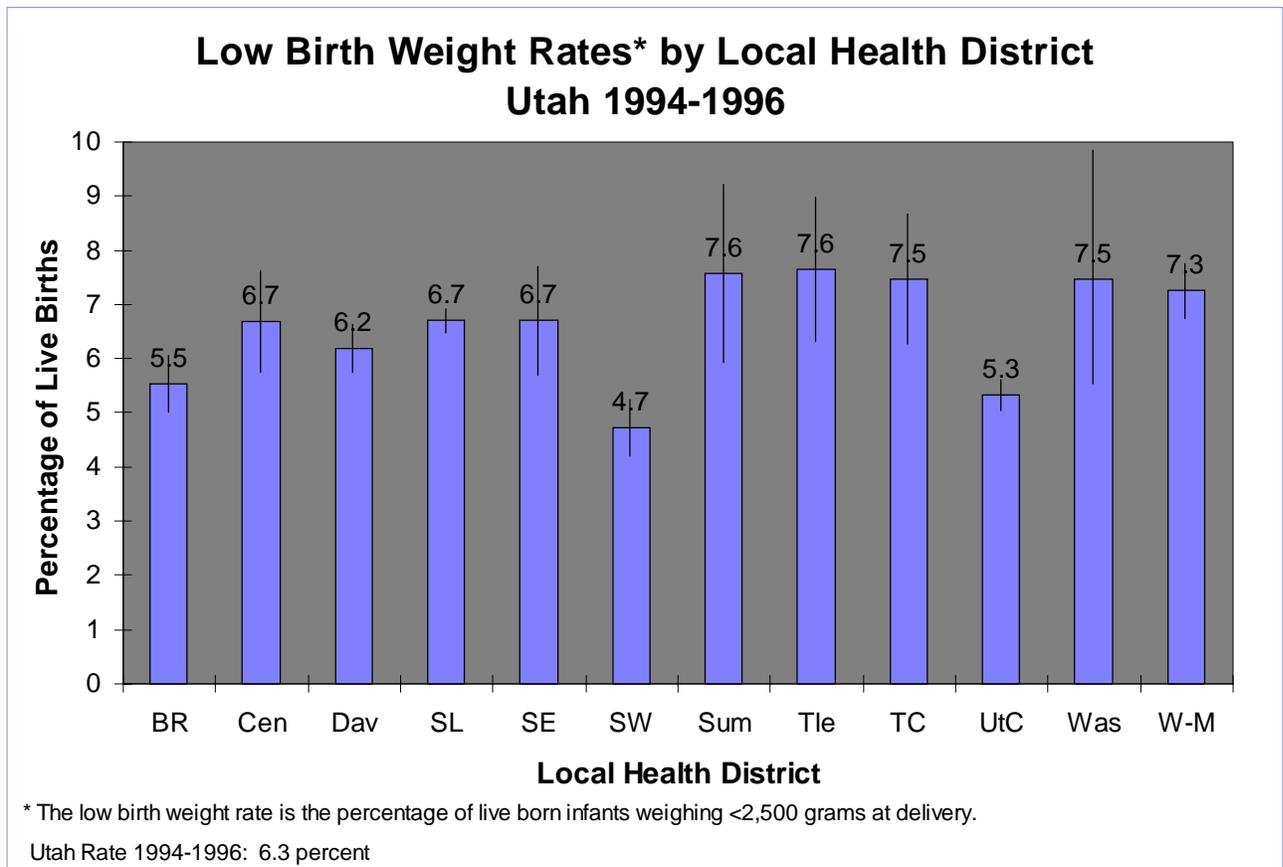
Prevalence of Low Birth Weight

Low birth weight, defined as the birth of an infant weighing less than 2,500 grams (about 5 1/2 lb.), is an important predictor of infant mortality. Low birth weight infants are also at higher risk for morbidity, such as developmental disorders, and respiratory infections. Over the last decade the rate of low birth weight births has been gradually increasing in Utah.

In Utah, the highest rates of low birth weight babies during this time period were found in Summit, Tooele, Tri-County, and Wasatch districts.

Utah 1995: 6.3%

U.S. 1995: 7.3% (all races)
U.S. 1995: 6.2% (whites)



Births to 15-17 Year Old Girls

Teen pregnancies pose health and social problems for mothers and their infants, including a greater risk of poor pregnancy outcomes and a greater chance that the family will live in poverty.

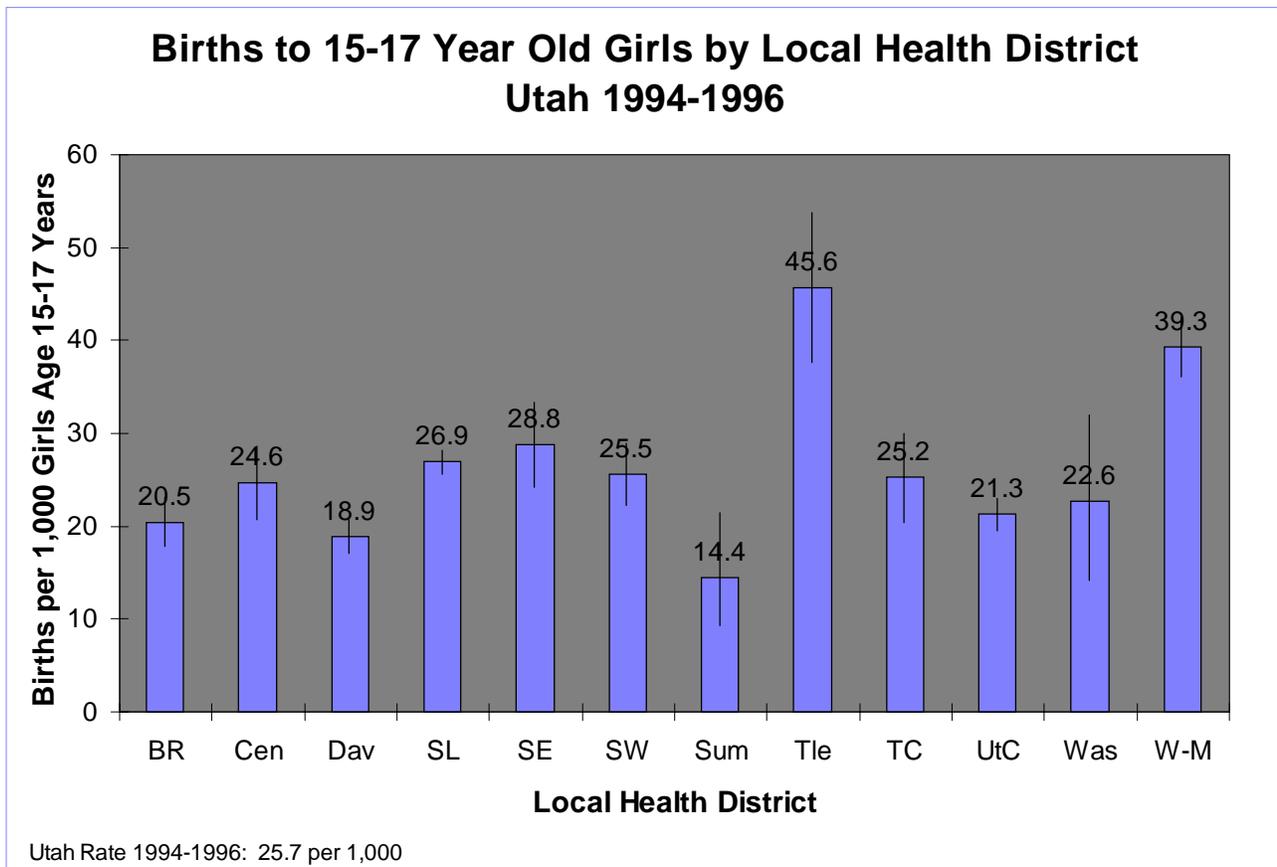
Utah's birth rate for adolescents is substantially lower than the U.S. rate, but similar to the U.S. white rate. Utah's rate has changed little since the mid-1980s. Analyses by the Utah Bureau of Vital Records has shown that the induced abortion rate among Utah teens is much lower than the U.S. rate, and has actually decreased.

The highest rates of births to 15-17 year old adolescents occurred in Tooele, and Weber-Morgan districts. The lowest rates were found in Davis and Summit districts.

Utah 1995: 26.1/1,000

U.S. 1995: 36.0/1,000 (all races)

U.S. 1995: 30.0/1,000 (whites)



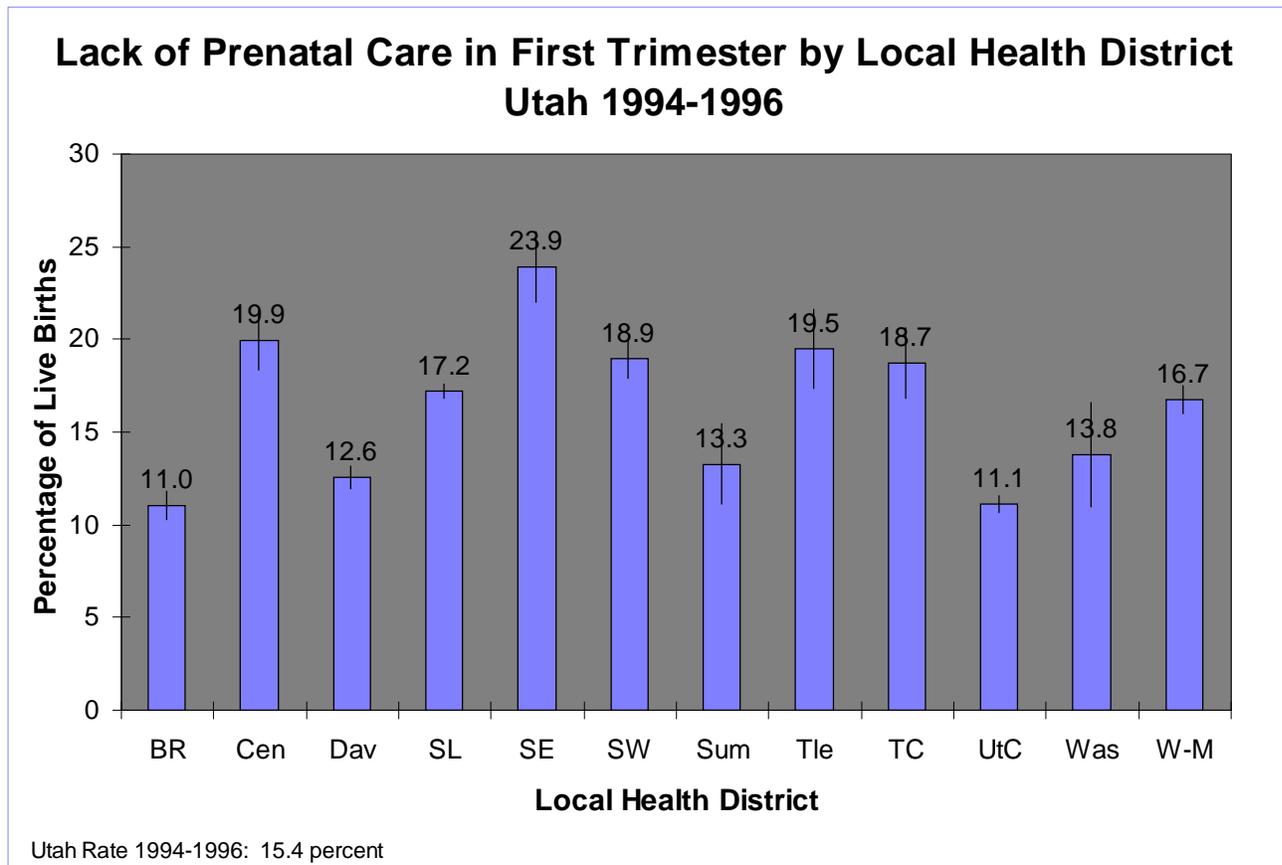
Lack of Prenatal Care in First Trimester

Early entry into prenatal care permits early identification of risks and appropriate intervention. Lack of prenatal care in the first trimester may indicate problems with access to care. The proportion of Utah women not receiving care in the first trimester decreased somewhat from 1980 to 1994. However, the trend seems to have reversed in 1995 and 1996. The percentage of women not receiving first trimester care in Utah remains substantially higher than the Year 2000 objective (no more than 10% of women lacking such care).

Overall 15.4% of women delivering babies in Utah from 1994-1996 did not receive prenatal care in the first trimester. However, Central, Salt Lake, Southeastern, Southwest, Tooele, Tri-County, and Weber-Morgan districts had rates higher than the Utah rate. There are currently no districts meeting the Healthy People 2000 goal.

Utah 1995: 15.6%

U.S. 1995: 18.7% (all races)
U.S. 1995: 16.4% (whites)

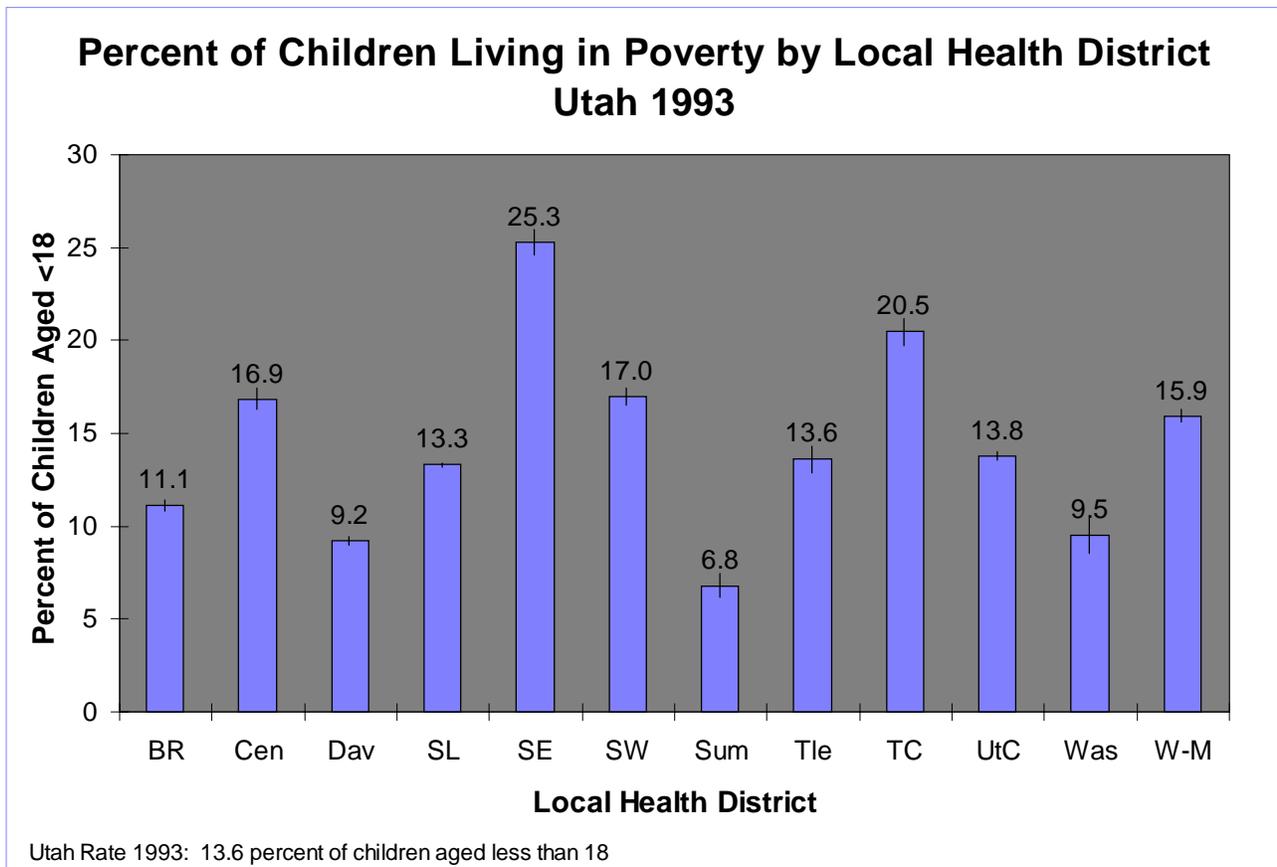


Childhood Poverty

Childhood poverty is an indicator of many risk factors for poor health. Over 94,000 Utah children under the age of 18 live in poverty, representing 13.6% of all children in the state. The state rate of 13.6% is substantially lower than the U.S. rate, but several of Utah's health districts have rates that are much higher than the overall state rate. Rates were significantly higher than the state rate in Southeastern, Tri-County, Central, and Southwest districts, and lowest in Summit, Davis, and Wasatch districts.

Utah 1993: 13.6%

U.S. 1993: 22.7% (all races)
U.S. 1993: 17.8% (whites)



Profiles of Utah Local Health Districts

Part 2 contains 12 sections, one for each local health department. Each section has 2 subsections. The first subsection contains demographic information, including estimated population, racial and ethnic distribution, education and income, as well as risk factor and health related behavior information. The second subsection presents the Healthy People 2000 Health Status Indicators for that district.

The data presented in the first subsection were selected for several reasons. First, most are risk factors for the outcomes measured by the Health Status Indicators. For example, educational level is related to overall mortality, smoking is related to lung cancer mortality, alcohol use is related to motor vehicle crashes and to suicide mortality, and the chronic disease risk factors are related to cardiovascular disease and cancer deaths. Second, asthma was selected because it may be in part caused or worsened by poor air quality. Third, indicators of health care access are presented; although on a population basis, health care access is not related strongly to health status, on an individual basis, it can make a major difference in quality and duration of life. Fourth, the prevalence of households with guns is presented because of the potential for accidental or intentional injury.

The Healthy People 2000 indicators are presented in the second subsection, after the demographic and risk factor information. For each indicator, the following information is shown:

- The local health department district result
- The comparable Utah specific result
- The ranking of the local health department district, relative to the other 12 districts. The lowest or best rate, was ranked 1, and the highest or worst rate, 12. For a tie, both were given the same rank at the best or lowest level.
- The average number of events per year

The information allows a comparison between the local health department district and the state rate, as well as indicating how well the local health department compares to the other districts by presenting the ranking. Additionally, the public health impact of the indicator can be assessed by the total number of events occurring per year.

Although this report does not represent a comprehensive analysis, some of the major findings include:

- 1) Southeast and Tri-County districts had the highest proportion of Native Americans (16.3%, and 8.9% respectively).
- 2) Hispanics comprised 14.4% of Tooele, 9.7% of Weber-Morgan, 6.6% of Southeast, and 8.3% of Salt Lake districts.
- 3) The prevalence of people (aged 18 and older) with less than a high school education ranged from 3.6% in Davis to 16.9% in Tri-County district.
- 4) The prevalence of households with income of less than \$10,000 per year ranged from 7.2% in Davis to 21.2% in Southeastern district.

- 5) The highest smoking prevalences were found in Tooele (21.7%), Southeastern (18.4%), and Tri-County (18.2%) districts, and the lowest in Utah County (7.2%) and Bear River (7.8%) districts.
- 6) The highest prevalence rates of alcohol use were found in Summit (48.9%), Salt Lake (32.9%), and Tooele (29.1%) districts.
- 7) The percentage of individuals who had had a cholesterol test ranged from 62.5% in Central to 76.1% in Weber-Morgan district.
- 8) Southeastern and Weber-Morgan had the highest prevalence rates of reported asthma in children under the age of 17 (66.0/1000 and 63.1/1000 respectively).
- 9) The percentage of households with at least one gun ranges from 36.6% in Salt Lake to 69.3% in Central district.
- 10) The percentage of individuals without health insurance ranges from 4.9% in Davis to 16.7% in Tri-County district.

The most striking finding that emerged from these data was that some districts were below the state rate for most of the indicators, whereas some districts were above the state rate for most of the indicators. For example, Bear River, Utah County, and Davis had the “healthiest” profiles, and Southeastern and Tri-County had the least healthy profiles. Bear River was above (worse than) the state rate for only two indicators (work-related injury deaths and breast cancer deaths), whereas Southeastern was above the state rate for 15 of 20 indicators, and Tri-County for 14 of 20 indicators. It appears that factors related to “good” health outcomes cluster both individually and regionally. Perhaps if an individual tends to adopt one lifestyle factor related to good health, that individual is also likely to adopt others.

Another observation is that having a ‘healthy profile’ was not necessarily related to whether or not the area is rural or urban. These results suggested that the people in some rural counties, such as those in Southeastern District had overall poorer health status. Similarly, the urban counties of Utah and Davis had much healthier profiles than did the urban counties of Weber and Salt Lake.

The factors related to health status are complex, and include education level, economic well being, lifestyles and behaviors, such as tobacco use, excessive use of alcohol, exercise, and a healthy diet, as well as access to personal health care.

In summary, these data are presented as a guide for each local health department to compare its profile for risk factors, health-related behaviors, and health outcomes to the state, and to other districts in order to better determine the public health needs most appropriate for that district.

Bear River Health District

Counties:

Box Elder
Cache
Rich

Estimated July 1, 1998 Population
133,422



Demographic Information*	Bear River	Utah
Race ➤ % White ➤ % African American ➤ % American Indian ➤ % Asian/Pacific Islander	 96.5 0.2 0.9 2.3	 95.2 0.8 1.5 2.5
Ethnicity ➤ % Hispanic (includes all races)	 4.4	 6.5
Education ➤ % with less than high school (ages 18+) ➤ % with college degree (ages 18+)	 12.7 27.3	 15.6 26.5
Income ➤ % of households with income less than \$10,000/yr ➤ % of households with income \$50,000/yr or more	 13.3 18.0	 12.6 19.9

* see Appendix 2 for definitions and data sources

Bear River Health District

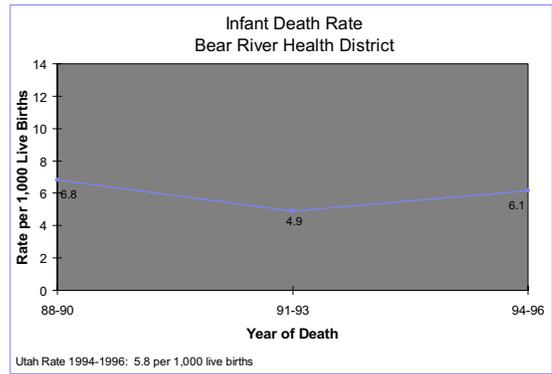
1996 Risk Factor and Health Related Behavior Information*	Bear River	Utah
Smoking <ul style="list-style-type: none"> ➤ % Current Smokers (age 18 or over) ➤ % Households with at least one adult smoker 	7.8 12.6	12.4 19.4
Alcohol Use <ul style="list-style-type: none"> ➤ % Current Drinkers (age 18 or over) 	17.4	25.3
Chronic Disease Risk Factors <ul style="list-style-type: none"> ➤ Hypertension per 1,000 persons ➤ Diabetes per 1,000 persons ➤ % who exercise (age 6 or over) ➤ % at or above 120% ideal body weight (age 18 or over) ➤ % who have had cholesterol checked 	201.2 23.0 41.4 24.7 66.3	189.6 29.1 44.9 24.4 71.9
Asthma <ul style="list-style-type: none"> ➤ Reported asthma per 1,000 persons ➤ Reported asthma per 1,000 children aged 0-17 	38.4 35.2	41.2 42.9
Guns <ul style="list-style-type: none"> ➤ % Households with guns ➤ % Households with unlocked and loaded guns 	51.7 1.8	43.9 2.9
Health Care Access <ul style="list-style-type: none"> ➤ % with no health insurance ➤ % with outpatient visit in past 12 months ➤ % with no primary medical provider or usual place for medical care ➤ % women over age 40 who have ever had mammography 	7.6 77.4 15.0 84.6	9.5 81.6 17.8 84.3
Injury <ul style="list-style-type: none"> ➤ % of people injured within last 12 months ➤ % of households in which ≥ 1 member was a victim of interpersonal violence (not just domestic violence) 	11.4 4.7	10.5 9.1

* see Appendix 2 for definitions and data sources

Bear River Health District

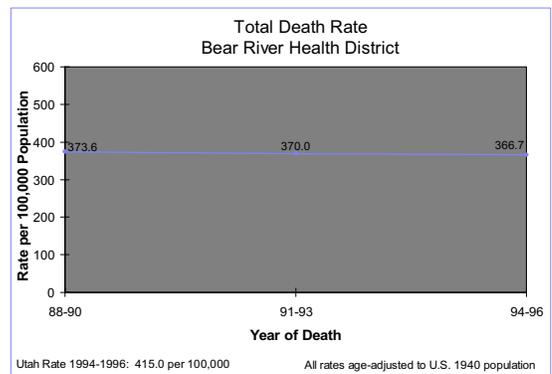
INFANT MORTALITY as measured by the rate (per 1,000 live births) of deaths among infants under one year of age

Bear River Rank 7/12
 Average deaths/year 16



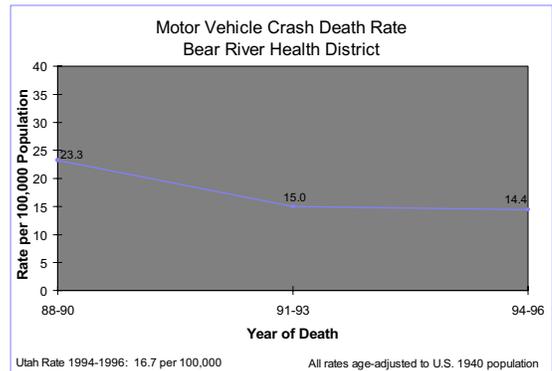
TOTAL DEATHS per 100,000 population*

Bear River Rank 3/12
 Average deaths/year 629



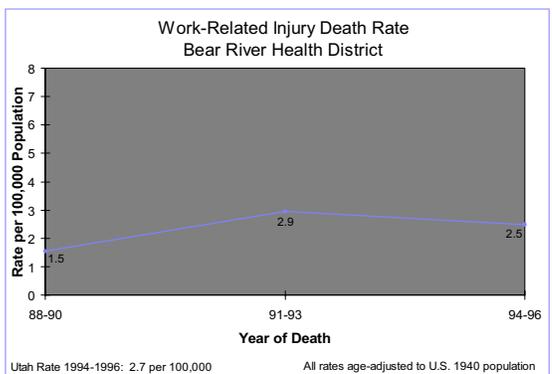
MOTOR VEHICLE CRASH DEATHS per 100,000 population*

Bear River Rank 3/12
 Average deaths/year 19



WORK-RELATED INJURY DEATHS per 100,000 population*

Bear River Rank 6/12
 Average deaths/year 3

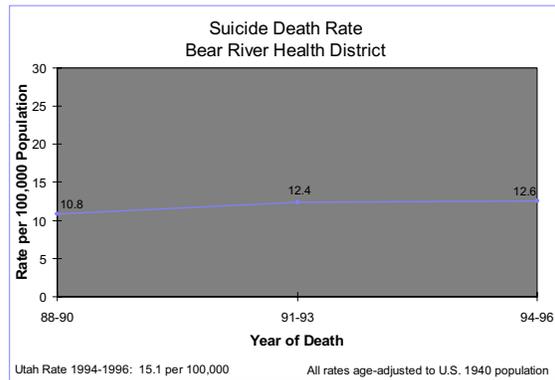


* Mortality rates age-adjusted to U.S. 1940 population

Bear River Health District

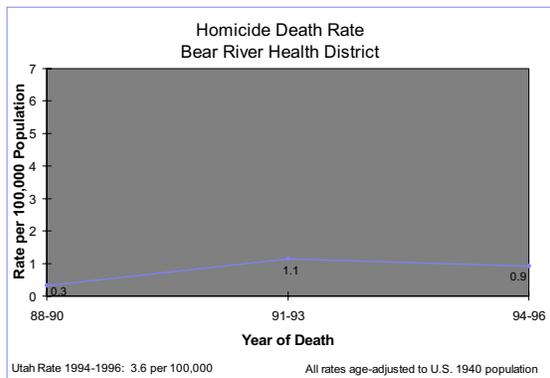
SUICIDES per 100,000 population*

Bear River Rank 5/12
Average deaths/year 14



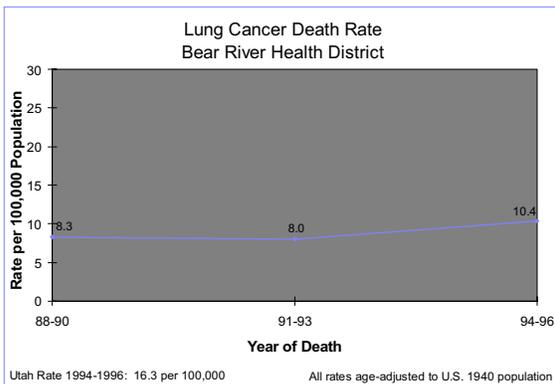
HOMICIDES per 100,000 population*

Bear River Rank 2/12
Average deaths/year 1



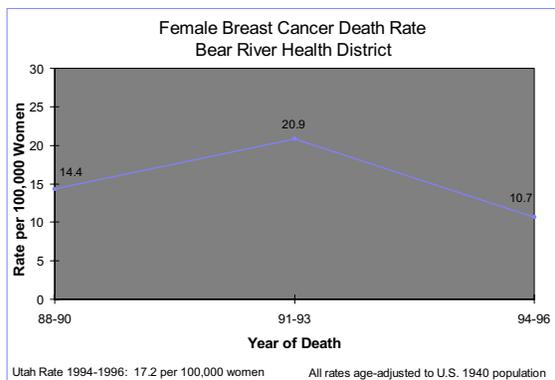
LUNG CANCER DEATHS per 100,000 population*

Bear River Rank 3/12
Average deaths/year 14



FEMALE BREAST CANCER DEATHS per 100,000 women*

Bear River Rank 1/12
Average deaths/year 7

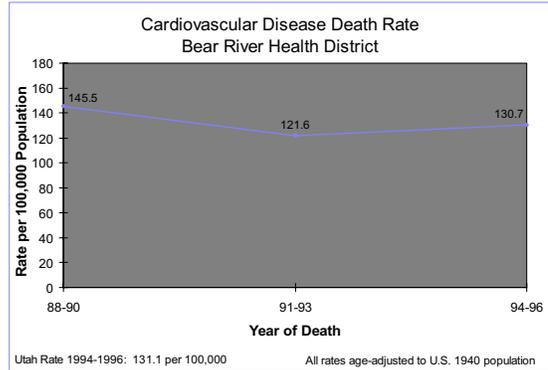


* Mortality rates age-adjusted to U.S. 1940 population

Bear River Health District

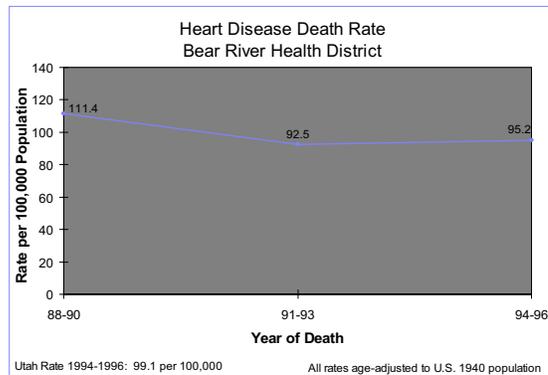
CARDIOVASCULAR DISEASE DEATHS per 100,000 population*

Bear River Rank 6/12
 Average deaths/year 254



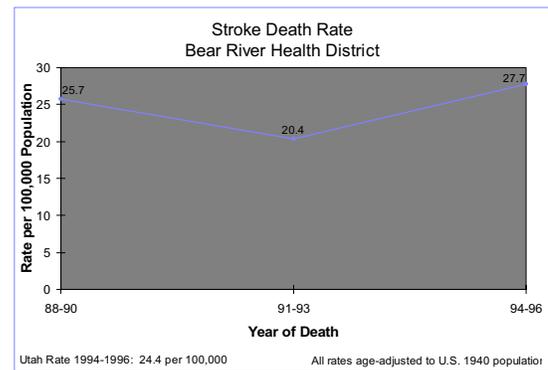
HEART DISEASE DEATHS per 100,000 population*

Bear River Rank 5/12
 Average deaths/year 176



STROKE DEATHS per 100,000 population*

Bear River Rank 12/12
 Average deaths/year 60

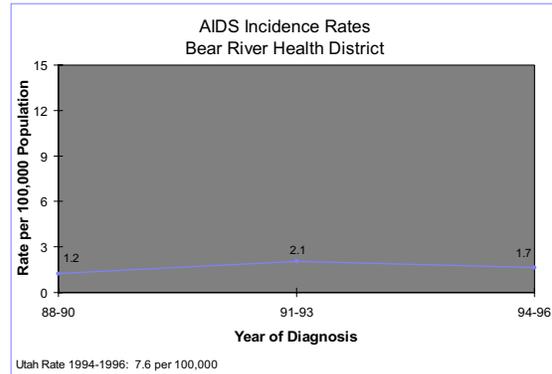


* Mortality rates age-adjusted to U.S. 1940 population

Bear River Health District

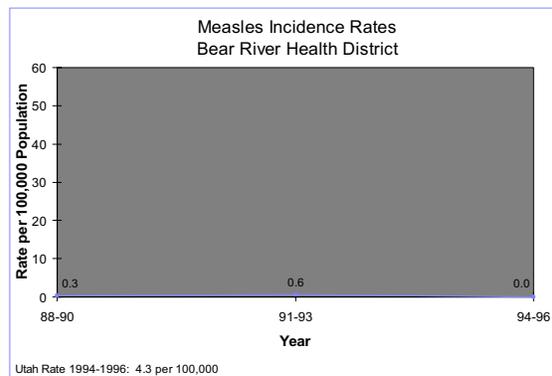
Reported incidence (per 100,000 population) of **ACQUIRED IMMUNODEFICIENCY SYNDROME** (1994-1996)

Bear River Rank 3/11
Average cases/year 2



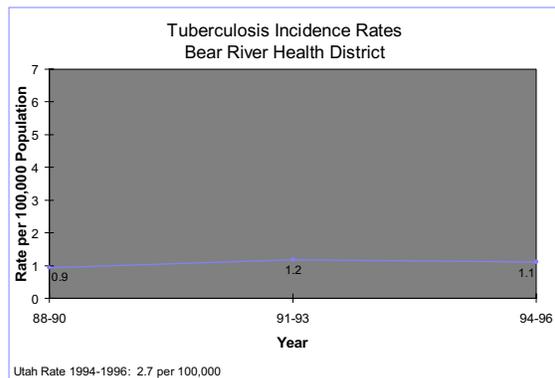
Reported incidence (per 100,000 population) of **MEASLES** (1994-1996)

Bear River Rank 1/12
Average cases/year 0



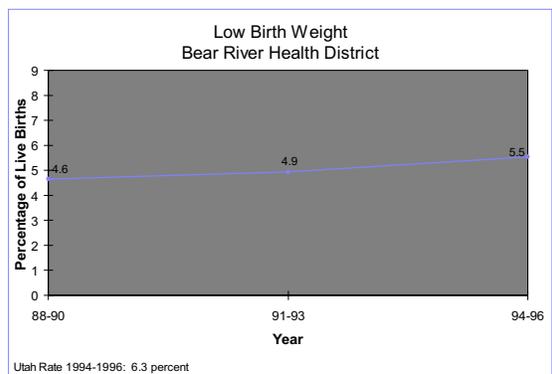
Reported incidence (per 100,000 population) of **TUBERCULOSIS** (1994-1996)

Bear River Rank 8/12
Average cases/year 1



Prevalence of LOW BIRTH WEIGHT as measured by the percentage of live born infants weighing under 2,500 grams at birth

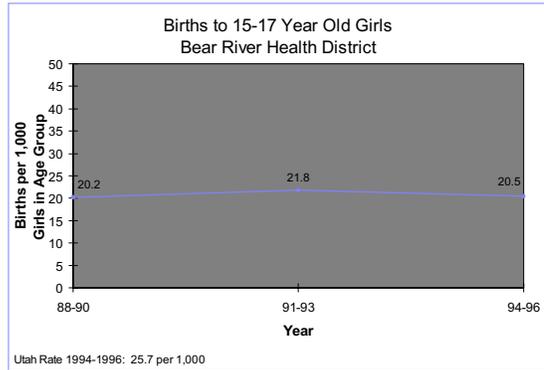
Bear River Rank 3/12
Average number of LBW births/year 144



Bear River Health District

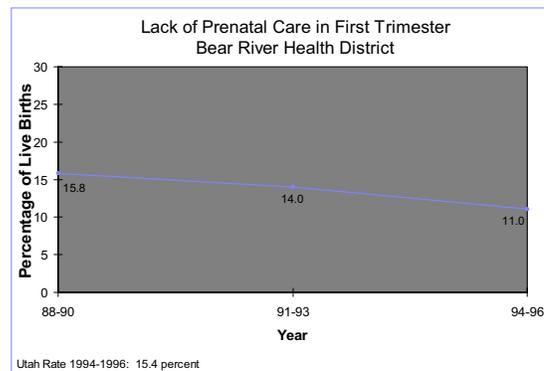
BIRTHS TO 15-17 YEAR OLD GIRLS per 1,000 girls aged 15-17 (1994-1996)

Bear River Rank 3/12
 Average births/year
 to 15-17 yr old girls 74



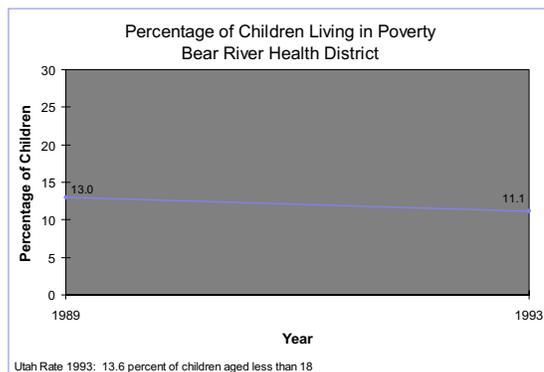
INADEQUATE PRENATAL CARE as measured by the percentage of mothers delivering live infants who did not receive care in the first trimester (1994-1996)

Bear River Rank 1/12
 Average births/year with
 inadequate prenatal care 287



CHILDHOOD POVERTY as measured by the proportion of children under age 18 living in families at or below the poverty level (1993 data applied to 1998 population)

Bear River Rank 4/12
 Number of children living in poverty 5,170



AIR QUALITY as measured by the proportion of persons living in counties exceeding U.S. Environmental Protection Agency standards for air quality during 1996

Bear River: No standards exceeded in 1996
 Utah: 0% live in counties where at least one standard exceeded

Central Utah Public Health District

Counties:

- Juab
- Millard
- Piute
- Sanpete
- Sevier
- Wayne

Estimated July 1, 1998 Population

64,731



Demographic Information*	Central	Utah
<p>Race</p> <ul style="list-style-type: none"> ➤ % White ➤ % African American ➤ % American Indian ➤ % Asian/Pacific Islander 	<p>97.7</p> <p>0.1</p> <p>1.2</p> <p>1.0</p>	<p>95.2</p> <p>0.8</p> <p>1.5</p> <p>2.5</p>
<p>Ethnicity</p> <ul style="list-style-type: none"> ➤ % Hispanic (includes all races) 	<p>3.6</p>	<p>6.5</p>
<p>Education</p> <ul style="list-style-type: none"> ➤ % with less than high school (ages 18+) ➤ % with college degree (ages 18+) 	<p>19.0</p> <p>21.0</p>	<p>15.6</p> <p>26.5</p>
<p>Income</p> <ul style="list-style-type: none"> ➤ % of households with income less than \$10,000/yr ➤ % of households with income \$50,000/yr or more 	<p>19.5</p> <p>9.5</p>	<p>12.6</p> <p>19.9</p>

* see Appendix 2 for definitions and data sources

Central Utah Public Health Department

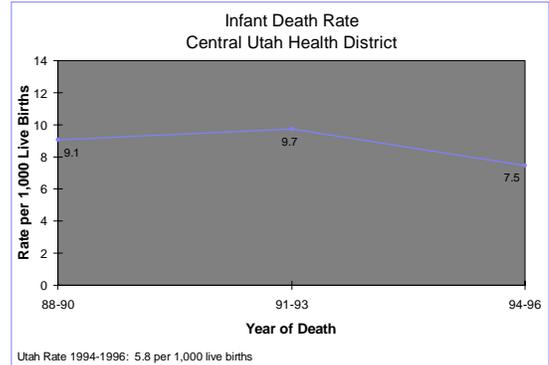
1996 Risk Factor and Health Related Behavior Information*	Central Utah	Utah
Smoking		
➤ % Current Smokers (age 18 or over)	13.0	12.4
➤ % Households with at least one adult smoker	20.1	19.4
Alcohol Use		
➤ % Current Drinkers (age 18 or over)	15.8	25.3
Chronic Disease Risk Factors		
➤ Hypertension per 1,000 persons	201.8	189.6
➤ Diabetes per 1,000 persons	21.9	29.1
➤ % who exercise (age 6 or over)	39.9	44.9
➤ % at or above 120% ideal body weight (age 18 or over)	27.7	24.4
➤ % who have had cholesterol checked	62.5	71.9
Asthma		
➤ Reported asthma per 1,000 persons	46.6	41.2
➤ Reported asthma per 1,000 children aged 0-17	31.6	42.9
Guns		
➤ % Households with guns	69.3	43.9
➤ % Households with unlocked and loaded guns	2.2	2.9
Health Care Access		
➤ % with no health insurance	13.8	9.5
➤ % with outpatient visit in past 12 months	86.8	81.6
➤ % with no primary medical provider or usual place for medical care	12.8	17.8
➤ % women over age 40 who have ever had mammography	83.0	84.3
Injury		
➤ % of people injured within last 12 months	10.4	10.5
➤ % of households in which ≥ 1 member was a victim of interpersonal violence (not just domestic violence)	7.4	9.1

* see Appendix 2 for definitions and data sources

Central Utah Public Health District

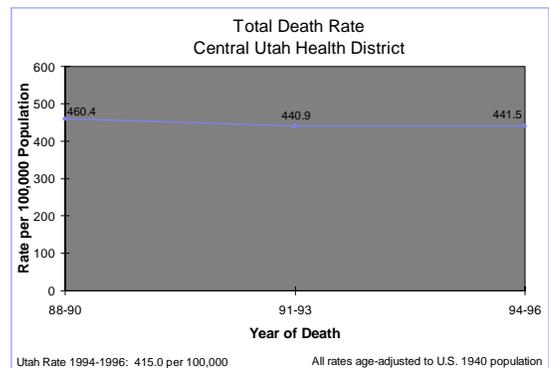
INFANT MORTALITY as measured by the rate (per 1,000 live births) of deaths among infants under one year of age

Central Utah Rank 9/12
 Average deaths/year 7



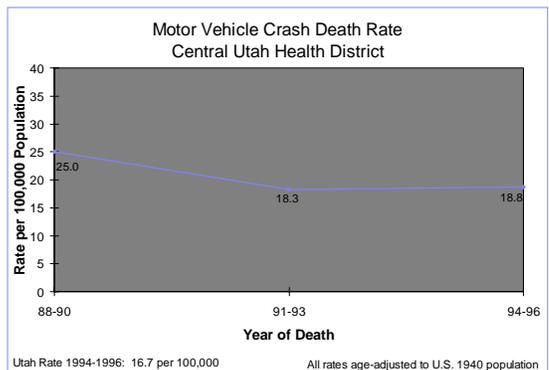
TOTAL DEATHS per 100,000 population*

Central Utah Rank 9/12
 Average deaths/year 477



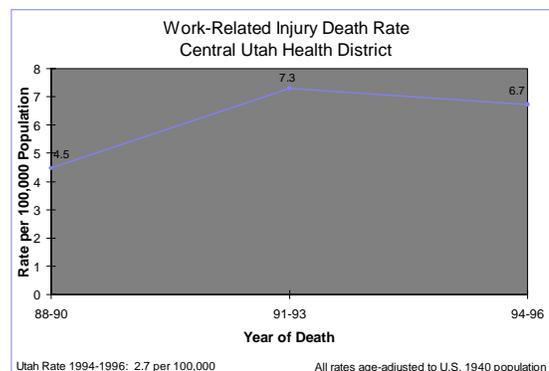
MOTOR VEHICLE CRASH DEATHS per 100,000 population*

Central Utah Rank 6/12
 Average deaths/year 11



WORK-RELATED INJURY DEATHS per 100,000 population*

Central Utah Rank 11/12
 Average deaths/year 11

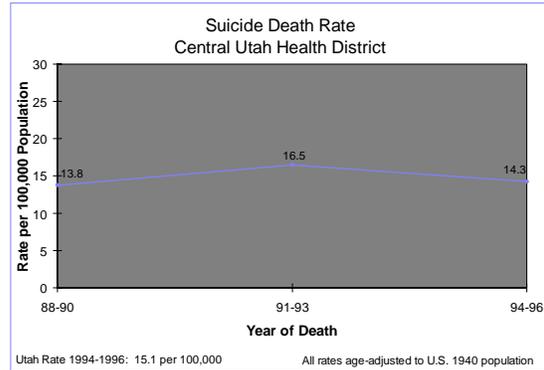


* Mortality rates age-adjusted to U.S. 1940 population

Central Utah Public Health Department

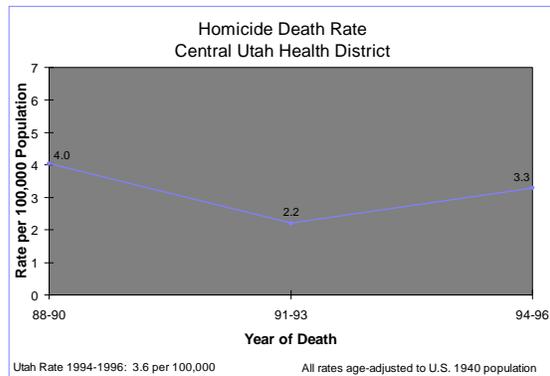
SUICIDES per 100,000 population*

Central Utah Rank 6/12
Average deaths/year 8



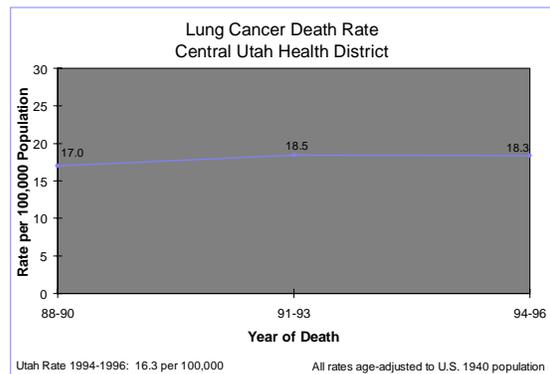
HOMICIDES per 100,000 population*

Central Utah Rank 6/12
Average deaths/year 2



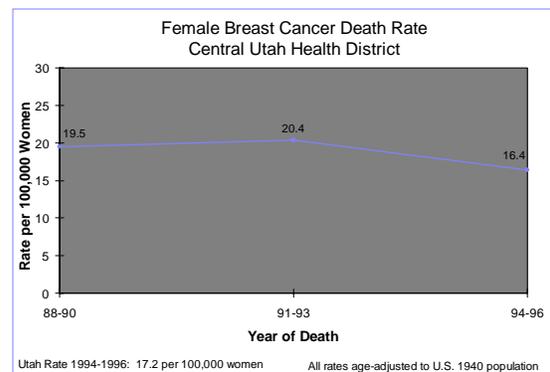
LUNG CANCER DEATHS per 100,000 population*

Central Utah Rank 8/12
Average deaths/year 14



FEMALE BREAST CANCER DEATHS per 100,000 women*

Central Utah Rank 3/12
Average deaths/year 9

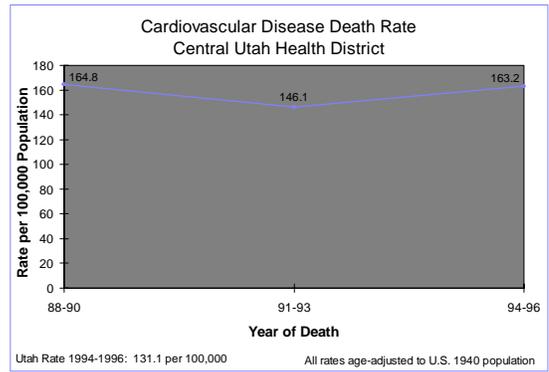


* Mortality rates age-adjusted to U.S. 1940 population

Central Utah Public Health Department

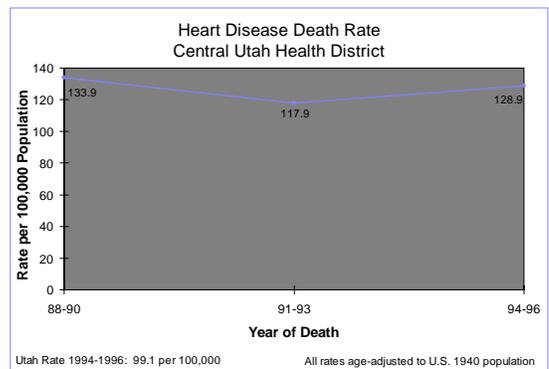
CARDIOVASCULAR DISEASE DEATHS per 100,000 population*

Central Utah Rank 12/12
Average deaths/year 206



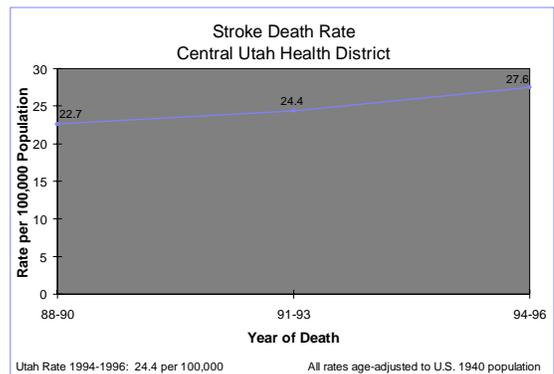
HEART DISEASE DEATHS per 100,000 population*

Central Utah Rank 12/12
Average deaths/year 158



STROKE DEATHS per 100,000 population*

Central Utah Rank 11/12
Average deaths/year 39

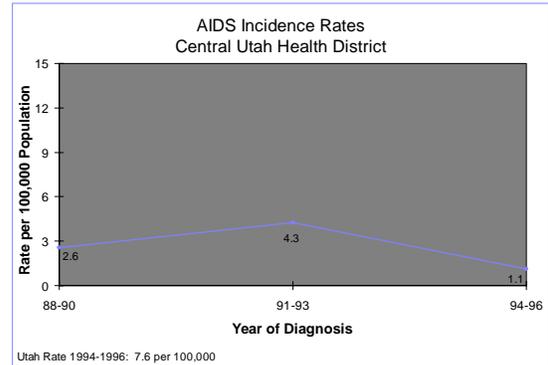


* Mortality rates age-adjusted to U.S. 1940 population

Central Utah Public Health Department

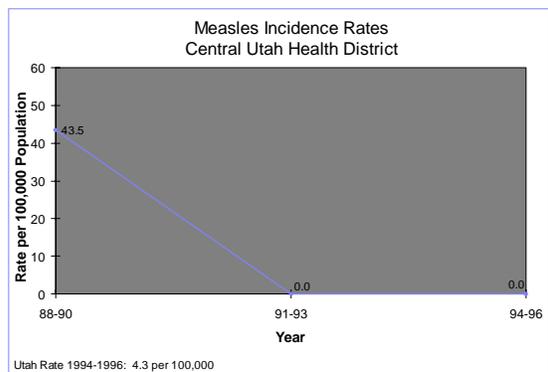
Reported incidence (per 100,000 population) of **ACQUIRED IMMUNODEFICIENCY SYNDROME** (1994-1996)

Central Utah Rank 2/11
Average cases/year 1



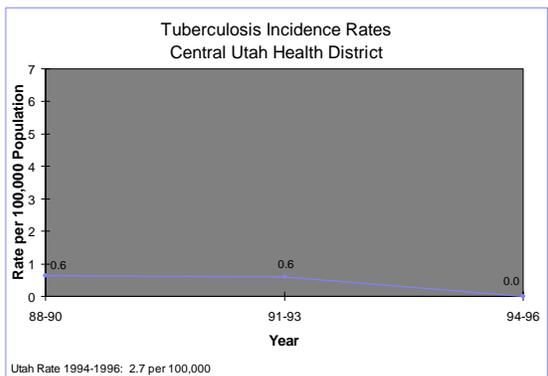
Reported incidence (per 100,000 population) of **MEASLES** (1994-1996)

Central Utah Rank 1/12
Average cases/year 0



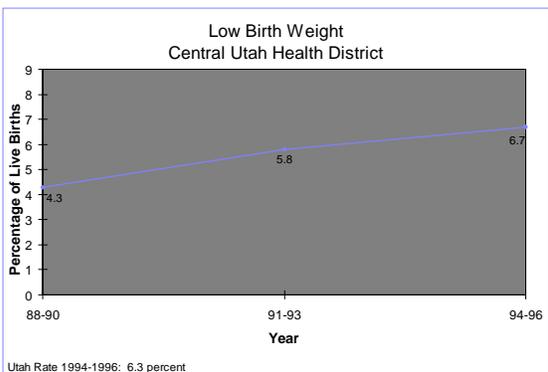
Reported incidence (per 100,000 population) of **TUBERCULOSIS** (1994-1996)

Central Utah Rank 1/12
Average cases/year 0



Prevalence of LOW BIRTH WEIGHT as measured by the percentage of live born infants weighing under 2,500 grams at birth

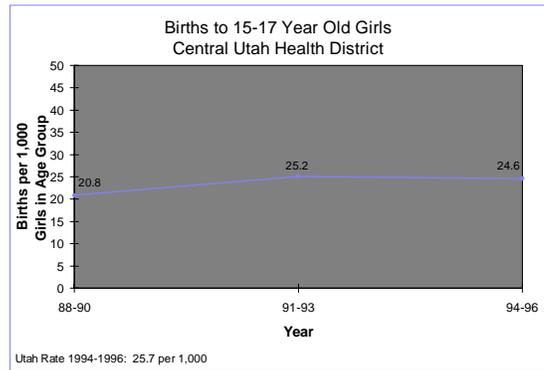
Central Utah Rank 5/12
Average number of LBW births/year 66



Central Utah Public Health Department

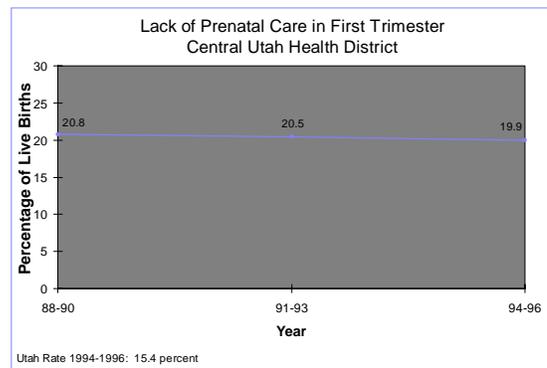
BIRTHS TO 15-17 YEAR OLD GIRLS per 1,000 girls aged 15-17 (1994-1996)

Central Utah Rank 6/12
 Average births/year
 to 15-17 yr old girls 49



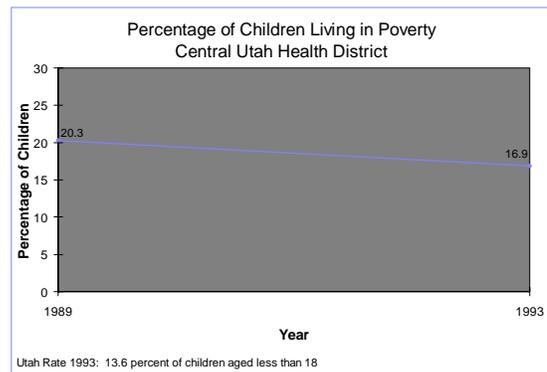
INADEQUATE PRENATAL CARE as measured by the percentage of mothers delivering live infants who did not receive care in the first trimester (1994-1996)

Central Utah Rank 11/12
 Average births/year with
 inadequate prenatal care 196



CHILDHOOD POVERTY as measured by the proportion of children under age 18 living in families at or below the poverty level (1993 data applied to 1998 population)

Central Utah Rank 9/12
 Number of children living in poverty 3,513



AIR QUALITY as measured by the proportion of persons living in counties exceeding U.S. Environmental Protection Agency standards for air quality during 1996

Central Utah: No standards exceeded in 1996
 Utah: 0% live in counties where at least one standard exceeded

Davis County Health District

Counties:

Davis

Estimated July 1, 1998 Population

228,053



Demographic Information*	Davis	Utah
Race ➤ % White ➤ % African American ➤ % American Indian ➤ % Asian/Pacific Islander	 96.5 1.2 0.5 1.7	 95.2 0.8 1.5 2.5
Ethnicity ➤ % Hispanic (includes all races)	 4.4	 6.5
Education ➤ % with less than high school (ages 18+) ➤ % with college degree (ages 18+)	 12.1 27.8	 15.6 26.5
Income ➤ % of households with income less than \$10,000/yr ➤ % of households with income \$50,000/yr or more	 7.2 27.0	 12.6 19.9

* see Appendix 2 for definitions and data sources

Davis County Health District

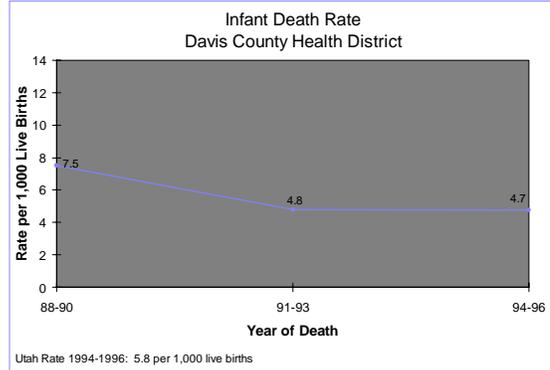
1996 Risk Factor and Health Related Behavior Information*	Davis County	Utah
Smoking		
➤ % Current Smokers (age 18 or over)	10.4	12.4
➤ % Households with at least one adult smoker	17.8	19.4
Alcohol Use		
➤ % Current Drinkers (age 18 or over)	22.9	25.3
Chronic Disease Risk Factors		
➤ Hypertension per 1,000 persons	190.3	189.6
➤ Diabetes per 1,000 persons	32.4	29.1
➤ % who exercise (age 6 or over)	46.1	44.9
➤ % at or above 120% ideal body weight (age 18 or over)	24.3	24.4
➤ % who have had cholesterol checked	71.1	71.9
Asthma		
➤ Reported asthma per 1,000 persons	29.1	41.2
➤ Reported asthma per 1,000 children aged 0-17	24.2	42.9
Guns		
➤ % Households with guns	44.6	43.9
➤ % Households with unlocked and loaded guns	1.4	2.9
Health Care Access		
➤ % with no health insurance	4.9	9.5
➤ % with outpatient visit in past 12 months	83.1	81.6
➤ % with no primary medical provider or usual place for medical care	12.3	17.8
➤ % women over age 40 who have ever had mammography	82.2	84.3
Injury		
➤ % of people injured within last 12 months	11.0	10.5
➤ % of households in which ≥1 member was a victim of interpersonal violence (not just domestic violence)	9.3	9.1

* see Appendix 2 for definitions and data sources

Davis County Health District

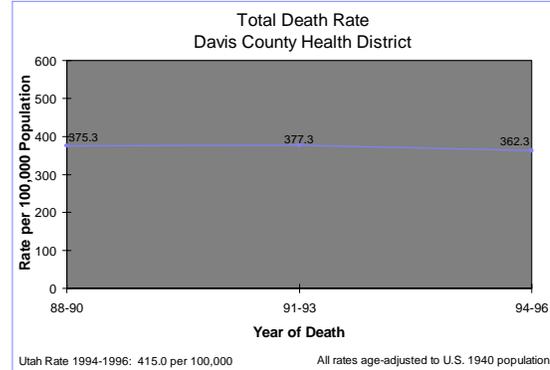
INFANT MORTALITY as measured by the rate (per 1,000 live births) of deaths among infants under one year of age

Davis County Rank 3/12
Average deaths/year 20



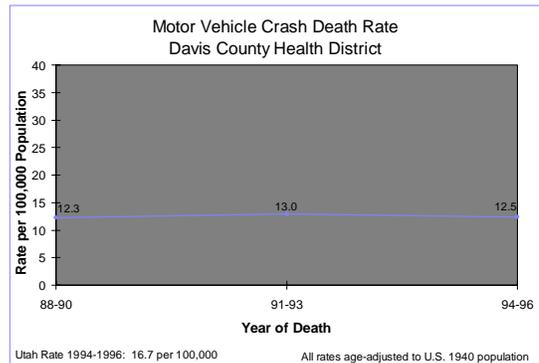
TOTAL DEATHS per 100,000 population*

Davis County Rank 2/12
Average deaths/year 834



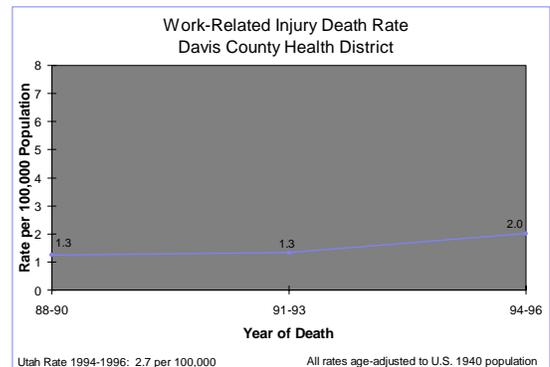
MOTOR VEHICLE CRASH DEATHS per 100,000 population*

Davis County Rank 1/12
Average deaths/year 27



WORK-RELATED INJURY DEATHS per 100,000 population*

Davis County Rank 3/12
Average deaths/year 4

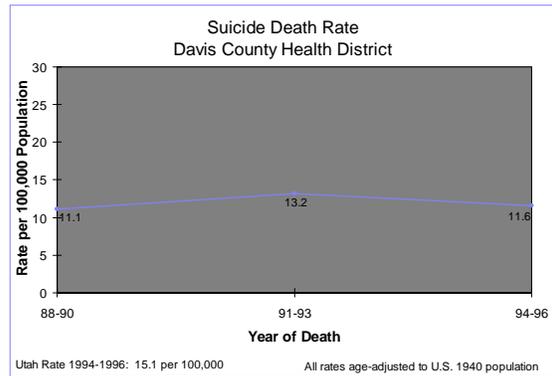


* Mortality rates age-adjusted to U.S. 1940 population

Davis County Health District

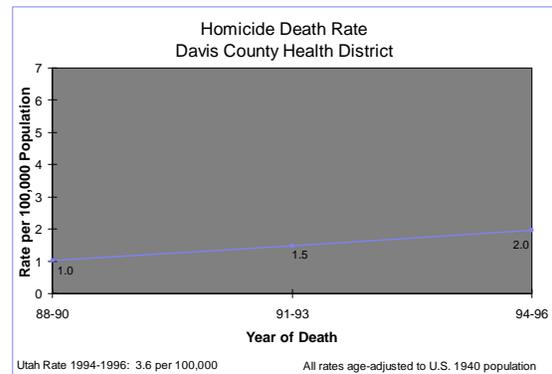
SUICIDES per 100,000 population*

Davis County Rank 4/12
Average deaths/year 25



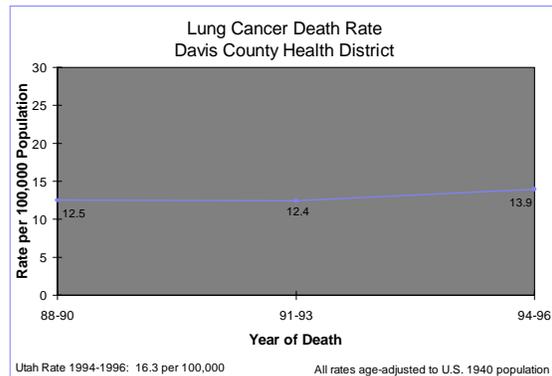
HOMICIDES per 100,000 population*

Davis County Rank 5/12
Average deaths/year 4



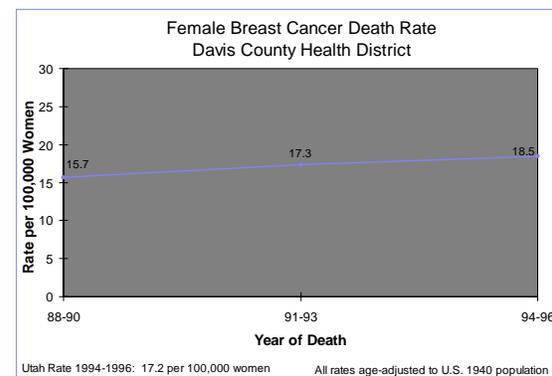
LUNG CANCER DEATHS per 100,000 population*

Davis County Rank 5/12
Average deaths/year 28



FEMALE BREAST CANCER DEATHS per 100,000 women*

Davis County Rank 9/12
Average deaths/year 19

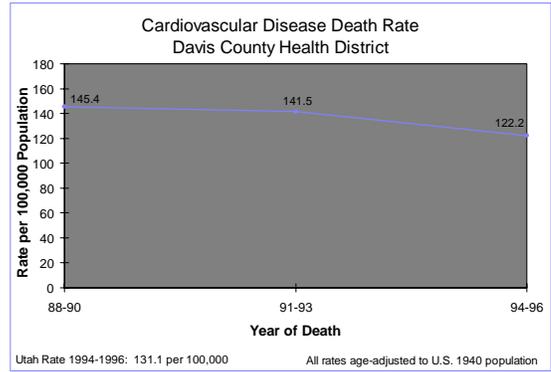


* Mortality rates age-adjusted to U.S. 1940 population

Davis County Health District

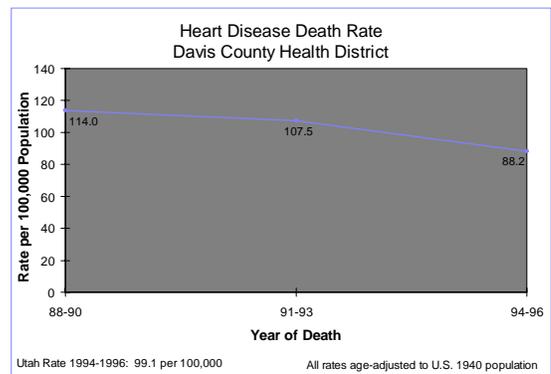
CARDIOVASCULAR DISEASE DEATHS per 100,000 population*

Davis County Rank 4/12
 Average deaths/year 301



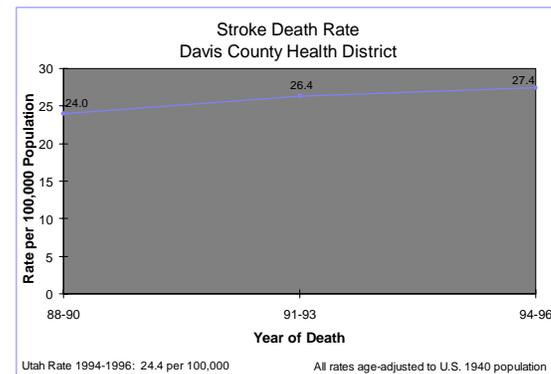
HEART DISEASE DEATHS per 100,000 population*

Davis County Rank 3/12
 Average deaths/year 214



STROKE DEATHS per 100,000 population*

Davis County Rank 10/12
 Average deaths/year 70

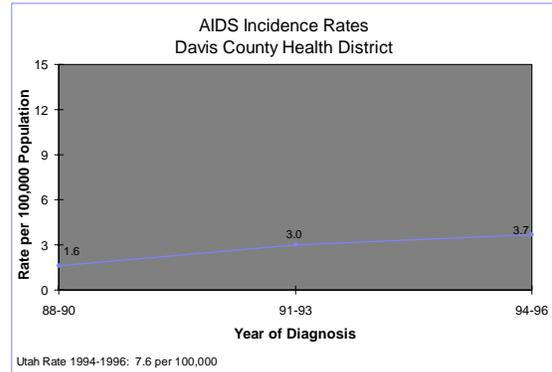


* Mortality rates age-adjusted to U.S. 1940 population

Davis County Health District

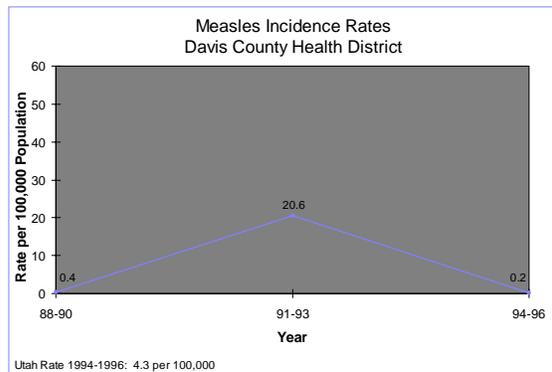
Reported incidence (per 100,000 population) of **ACQUIRED IMMUNODEFICIENCY SYNDROME** (1994-1996)

Davis County Rank 7/11
Average cases/year 8



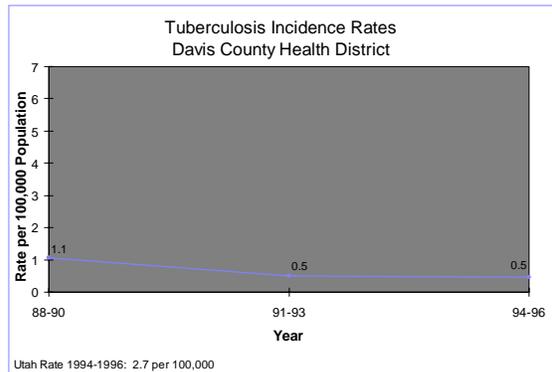
Reported incidence (per 100,000 population) of **MEASLES** (1994-1996)

Davis County Rank 7/12
Average cases/year <1



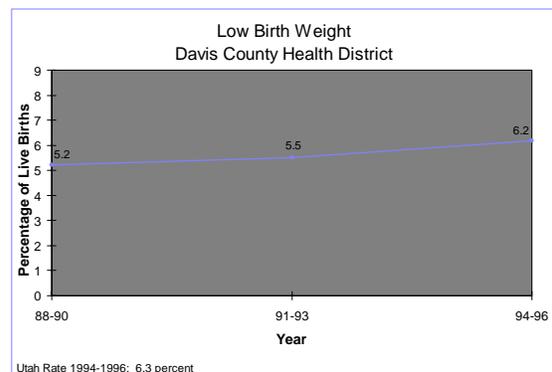
Reported incidence (per 100,000 population) of **TUBERCULOSIS** (1994-1996)

Davis County Rank 5/12
Average cases/year 1



Prevalence of LOW BIRTH WEIGHT as measured by the percentage of live born infants weighing under 2,500 grams at birth

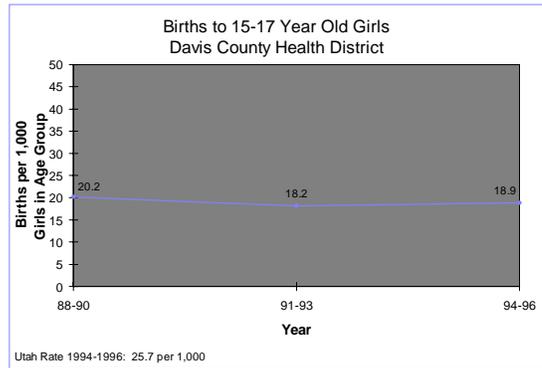
Davis County Rank 4/12
Average number of LBW births/year 256



Davis County Health District

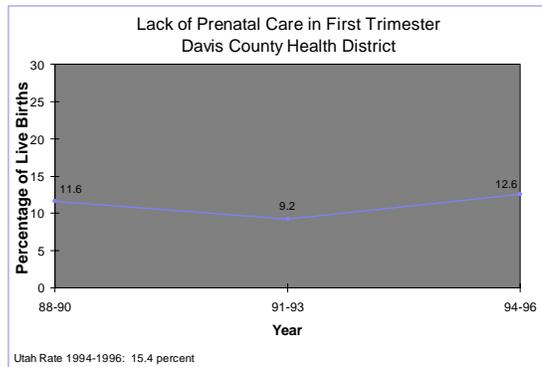
BIRTHS TO 15-17 YEAR OLD GIRLS per 1,000 girls aged 15-17 (1994-1996)

Davis County Rank 2/12
 Average births/year
 to 15-17 yr old girls 132



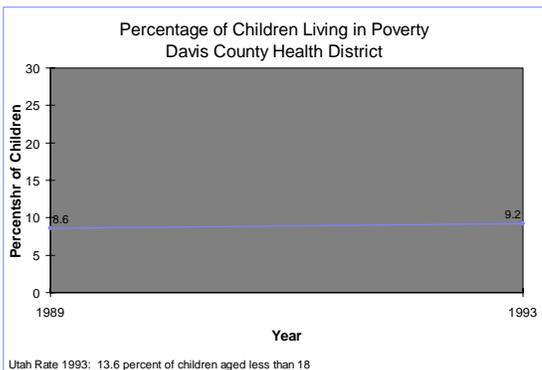
INADEQUATE PRENATAL CARE as measured by the percent of mothers delivering live infants who did not receive care in the first trimester (1994-1996)

Davis County Rank 3/12
 Average births/year with
 inadequate prenatal care 520



CHILDHOOD POVERTY as measured by the proportion of children under age 18 living in families at or below the poverty level (1993 data applied to 1998 population)

Davis County Rank 2/12
 Number of children living in poverty 7,149



AIR QUALITY as measured by the proportion of persons living in counties exceeding U.S. Environmental Protection Agency standards for air quality during 1996

Davis County: No standards exceeded in 1996
 Utah: 0% live in counties where at least one standard exceeded

Salt Lake City/County Health District

Counties:

Salt Lake

Estimated July 1, 1998 Population

850,180



Demographic Information*	Salt Lake	Utah
Race ➤ % White ➤ % African American ➤ % American Indian ➤ % Asian/Pacific Islander	 94.1 1.0 1.0 3.9	 95.2 0.8 1.5 2.5
Ethnicity ➤ % Hispanic (includes all races)	 8.3	 6.5
Education ➤ % with less than high school (ages 18+) ➤ % with college degree (ages 18+)	 16.2 28.0	 15.6 26.5
Income ➤ % of households with income less than \$10,000/yr ➤ % of households with income \$50,000/yr or more	 12.0 21.4	 12.6 19.9

* see Appendix 2 for definitions and data sources

Salt Lake City/County Health District

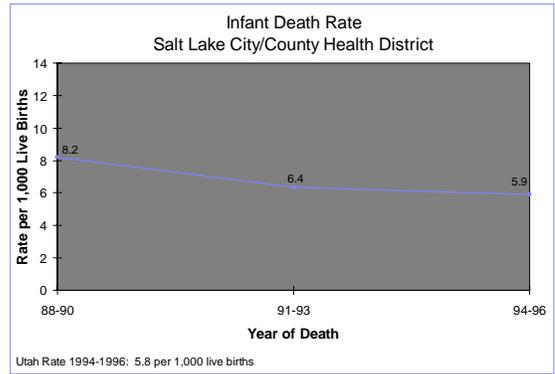
1996 Risk Factor and Health Related Behavior Information*	Salt Lake	Utah
Smoking <ul style="list-style-type: none"> ➤ % Current Smokers (age 18 or over) ➤ % Households with at least one adult smoker 	<p>13.9</p> <p>21.5</p>	<p>12.4</p> <p>19.4</p>
Alcohol Use <ul style="list-style-type: none"> ➤ % Current Drinkers (age 18 or over) 	<p>32.9</p>	<p>25.3</p>
Chronic Disease Risk Factors <ul style="list-style-type: none"> ➤ Hypertension per 1,000 persons ➤ Diabetes per 1,000 persons ➤ % who exercise (age 6 or over) ➤ % at or above 120% ideal body weight (age 18 or over) ➤ % who have had cholesterol checked 	<p>205.8</p> <p>30.9</p> <p>45.0</p> <p>25.1</p> <p>74.1</p>	<p>189.6</p> <p>29.1</p> <p>44.9</p> <p>24.4</p> <p>71.9</p>
Asthma <ul style="list-style-type: none"> ➤ Reported asthma per 1,000 persons ➤ Reported asthma per 1,000 children aged 0-17 	<p>42.9</p> <p>48.1</p>	<p>41.2</p> <p>42.9</p>
Guns <ul style="list-style-type: none"> ➤ % Households with guns ➤ % Households with unlocked and loaded guns 	<p>36.6</p> <p>3.5</p>	<p>43.9</p> <p>2.9</p>
Health Care Access <ul style="list-style-type: none"> ➤ % with no health insurance ➤ % with outpatient visit in past 12 months ➤ % with no primary medical provider or usual place for medical care ➤ % women over age 40 who have ever had mammography 	<p>9.7</p> <p>83.4</p> <p>21.1</p> <p>88.5</p>	<p>9.5</p> <p>81.6</p> <p>17.8</p> <p>84.3</p>
Injury <ul style="list-style-type: none"> ➤ % of people injured within last 12 months ➤ % of households in which ≥1 member was a victim of interpersonal violence (not just domestic violence) 	<p>10.1</p> <p>9.0</p>	<p>10.5</p> <p>9.1</p>

* see Appendix 2 for definitions and data sources

Salt Lake City/County Health District

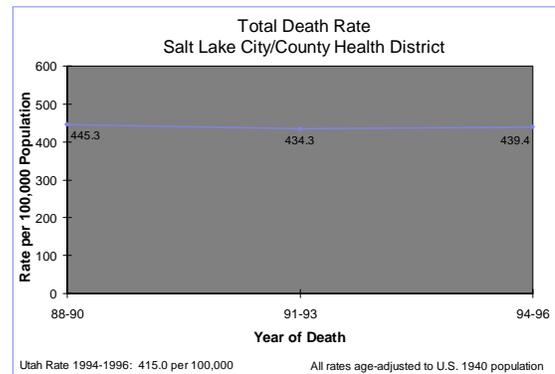
INFANT MORTALITY as measured by the rate (per 1,000 live births) of deaths among infants under one year of age

Salt Lake Rank 5/12
 Average deaths/year 94



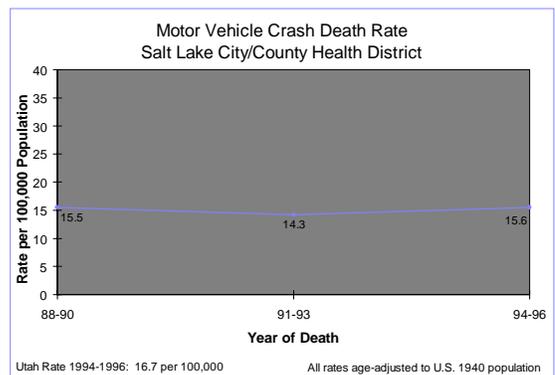
TOTAL DEATHS per 100,000 population*

Salt Lake Rank 8/12
 Average deaths/year 4,579



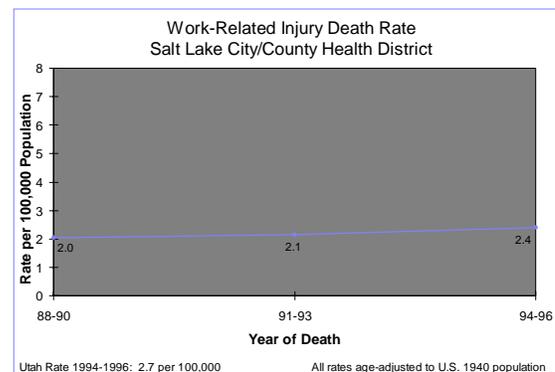
MOTOR VEHICLE CRASH DEATHS per 100,000 population*

Salt Lake Rank 5/12
 Average deaths/year 125



WORK-RELATED INJURY DEATHS per 100,000 population*

Salt Lake Rank 5/12
 Average deaths/year 19

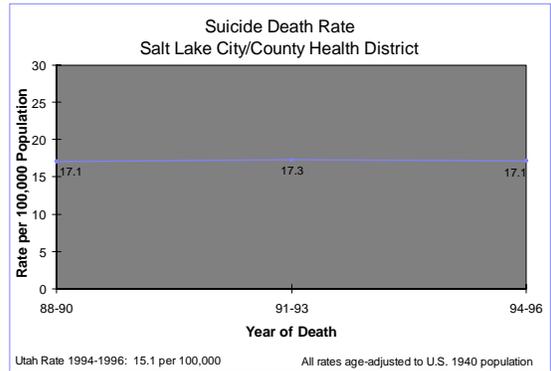


* Mortality rates age-adjusted to U.S. 1940 population

Salt Lake City/County Health District

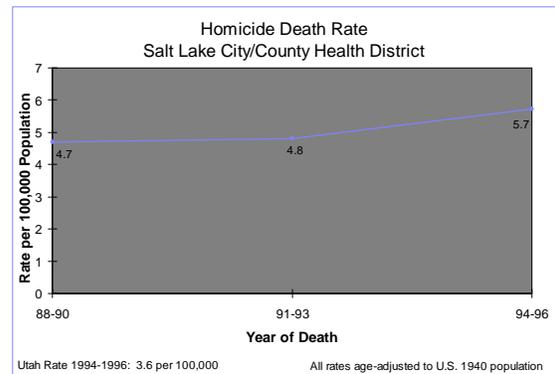
SUICIDES per 100,000 population*

Salt Lake Rank 9/12
Average deaths/year 134



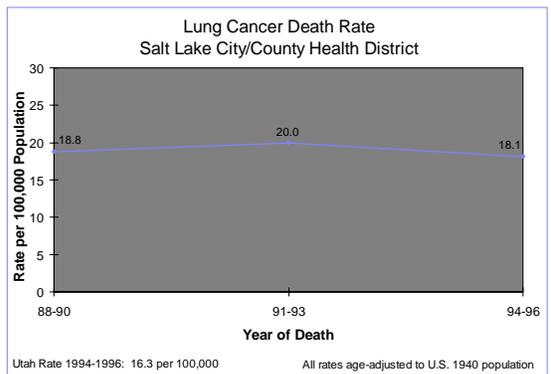
HOMICIDES per 100,000 population*

Salt Lake Rank 10/12
Average deaths/year 45



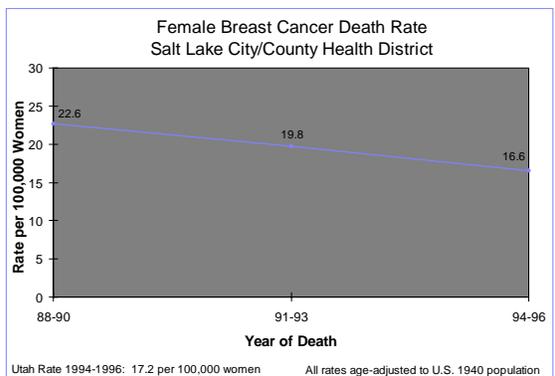
LUNG CANCER DEATHS per 100,000 population*

Salt Lake Rank 7/12
Average deaths/year 158



FEMALE BREAST CANCER DEATHS per 100,000 women*

Salt Lake Rank 4/12
Average deaths/year 78

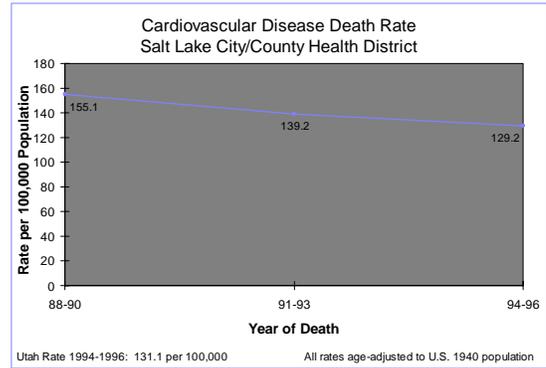


* Mortality rates age-adjusted to U.S. 1940 population

Salt Lake City/County Health District

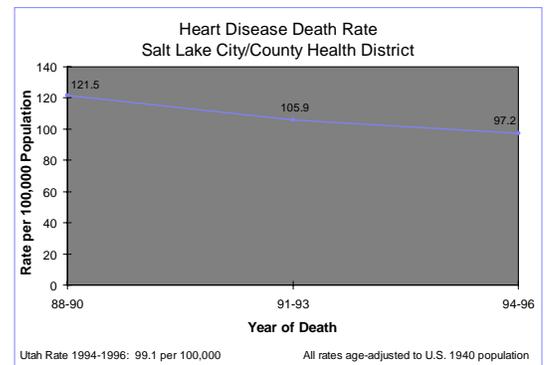
CARDIOVASCULAR DISEASE DEATHS per 100,000 population*

Salt Lake Rank 5/12
 Average deaths/year 1,524



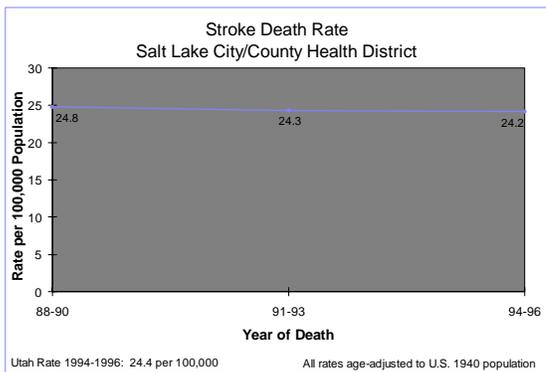
HEART DISEASE DEATHS per 100,000 population*

Salt Lake Rank 6/12
 Average deaths/year 1,109



STROKE DEATHS per 100,000 population*

Salt Lake Rank 7/12
 Average deaths/year 313

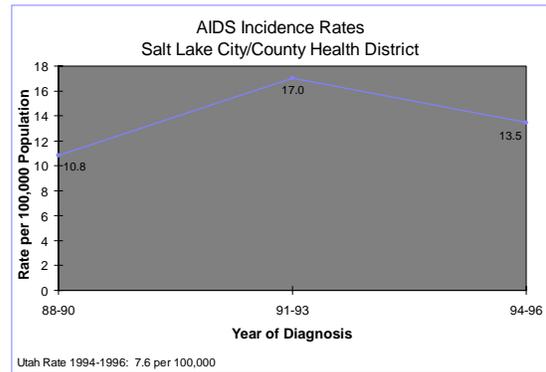


* Mortality rates age-adjusted to U.S. 1940 population

Salt Lake City/County Health District

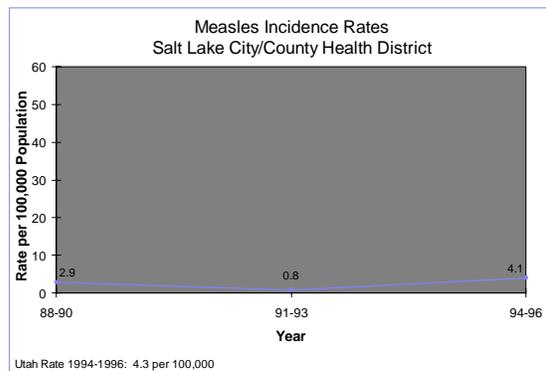
Reported incidence (per 100,000 population)
of **ACQUIRED IMMUNODEFICIENCY SYNDROME** (1994-1996)

Salt Lake Rank 11/11
Average cases/year 109



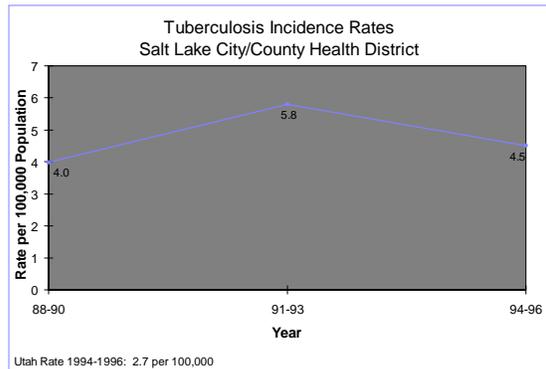
Reported incidence (per 100,000 population)
of **MEASLES** (1994-1996)

Salt Lake Rank 10/12
Average cases/year 33



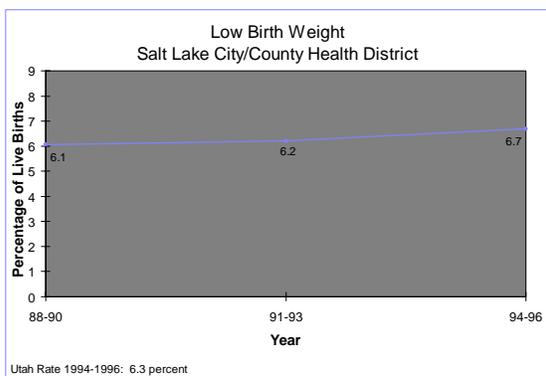
Reported incidence (per 100,000 population)
of **TUBERCULOSIS** (1994-1996)

Salt Lake Rank 11/12
Average cases/year 36



Prevalence of LOW BIRTH WEIGHT as
measured by the percentage of live born infants
weighing under 2,500 grams at birth

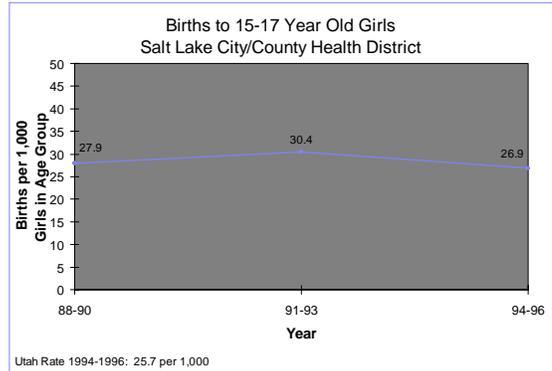
Salt Lake Rank 5/12
Average number of LBW births/year 1,066



Salt Lake City/County Health District

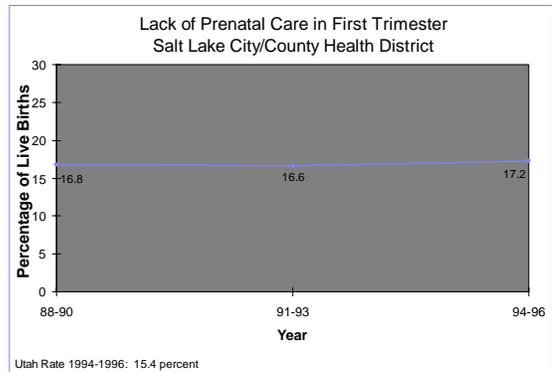
BIRTHS TO 15-17 YEAR OLD GIRLS per 1000 girls aged 15-17 (1994-1996)

Salt Lake Rank 9/12
 Average births/year to 15-17 yr old girls 603



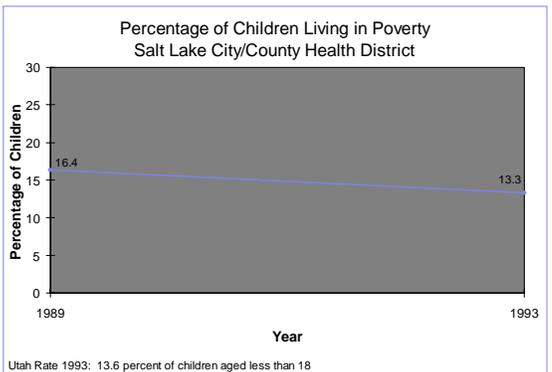
INADEQUATE PRENATAL CARE as measured by the percent of mothers delivering live infants who did not receive care in the first trimester (1994-1996)

Salt Lake Rank 7/12
 Average births/year with inadequate prenatal care 2,742



CHILDHOOD POVERTY as measured by the proportion of children under age 18 living in families at or below the poverty level (1993 data applied to 1998 population)

Salt Lake Rank 5/12
 Number of children living in poverty 36,506



AIR QUALITY as measured by the proportion of persons living in counties exceeding U.S. Environmental Protection Agency standards for air quality during 1996

Salt Lake: No standards exceeded in 1996
 Utah: 0% live in counties where at least one standard exceeded

Southeastern Utah District Health District

Counties:

Carbon
Emery
Grand
San Juan

Estimated July 1, 1998 Population
56,494



Demographic Information*	Southeast	Utah
Race ➤ % White ➤ % African American ➤ % American Indian ➤ % Asian/Pacific Islander	 83.2 0.1 16.3 0.5	 95.2 0.8 1.5 2.5
Ethnicity ➤ % Hispanic (includes all races)	 6.6	 6.5
Education ➤ % with less than high school (ages 18+) ➤ % with college degree (ages 18+)	 27.0 19.2	 15.6 26.5
Income ➤ % of households with income less than \$10,000/yr ➤ % of households with income \$50,000/yr or more	 21.2 14.2	 12.6 19.9

* see Appendix 2 for definitions and data sources

Southeastern Utah District Health District

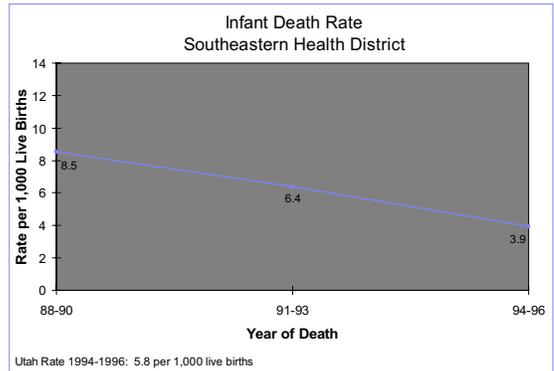
1996 Risk Factor and Health Related Behavior Information*	Southeastern	Utah
Smoking ► % Current Smokers (age 18 or over) ► % Households with at least one adult smoker	18.4 26.2	12.4 19.4
Alcohol Use ► % Current Drinkers (age 18 or over)	27.4	25.3
Chronic Disease Risk Factors ► Hypertension per 1,000 persons ► Diabetes per 1,000 persons ► % who exercise (age 6 or over) ► % at or above 120% ideal body weight (age 18 or over) ► % who have had cholesterol checked	200.5 37.4 42.3 24.5 66.1	189.6 29.1 44.9 24.4 71.9
Asthma ► Reported asthma per 1,000 persons ► Reported asthma per 1,000 children aged 0-17	58.8 66.0	41.2 42.9
Guns ► % Households with guns ► % Households with unlocked and loaded guns	63.0 3.9	43.9 2.9
Health Care Access ► % with no health insurance ► % with outpatient visit in past 12 months ► % with no primary medical provider or usual place for medical care ► % women over age 40 who have ever had mammography	11.6 76.1 18.2 72.8	9.5 81.6 17.8 84.3
Injury ► % of persons injured within last 12 months ► % of households in which ≥1 member was a victim of interpersonal violence (not just domestic violence)	10.9 11.8	10.5 9.1

* see Appendix 2 for definitions and data sources

Southeastern Utah District Health District

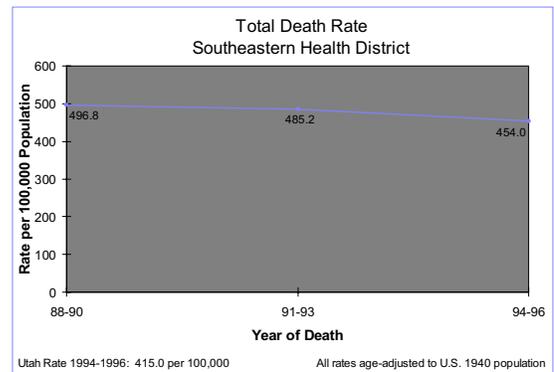
INFANT MORTALITY as measured by the rate (per 1,000 live births) of deaths among infants under one year of age

Southeastern Rank 1/12
 Average deaths/year 3



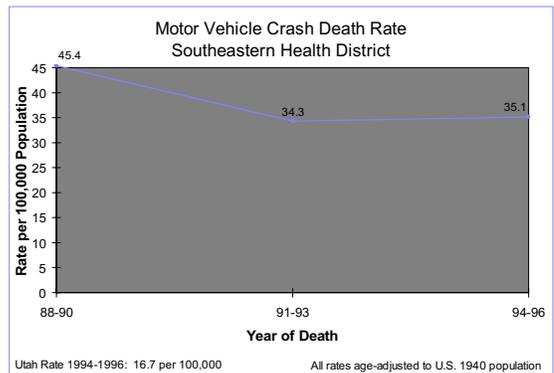
TOTAL DEATHS per 100,000 population*

Southeastern Rank 10/12
 Average deaths/year 356



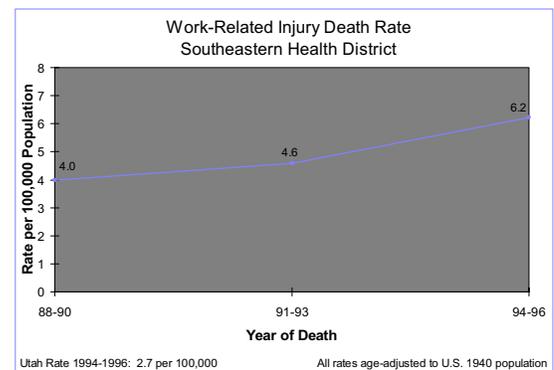
MOTOR VEHICLE CRASH DEATHS per 100,000 population*

Southeastern Rank 11/12
 Average deaths/year 18



WORK-RELATED INJURY DEATHS per 100,000 population*

Southeastern Rank 10/12
 Average deaths/year 3

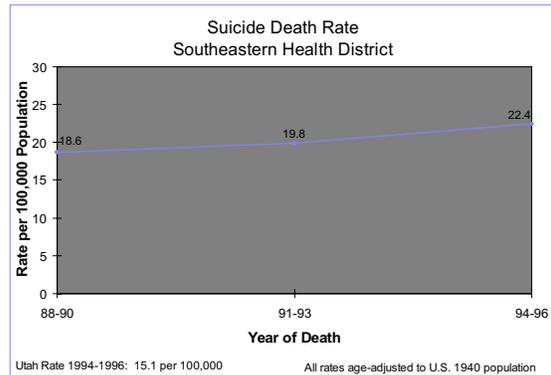


* Mortality rates age-adjusted to U.S. 1940 population

Southeastern Utah District Health District

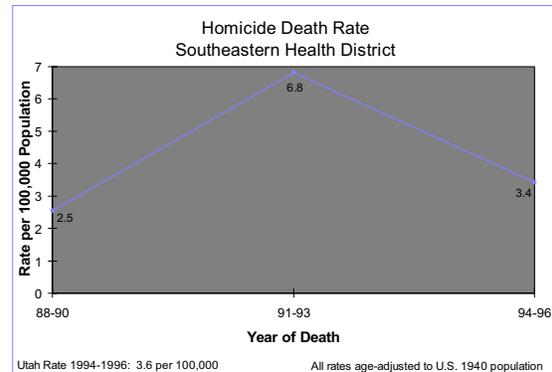
SUICIDES per 100,000 population*

Southeastern Rank 11/12
Average deaths/year 12



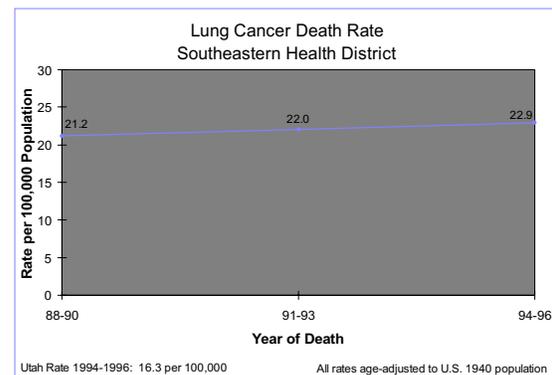
HOMICIDES per 100,000 population*

Southeastern Rank 8/12
Average deaths/year 45



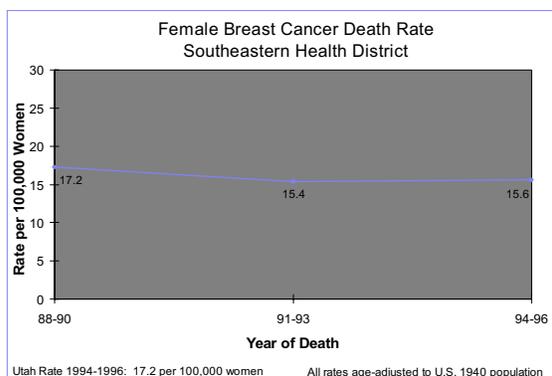
LUNG CANCER DEATHS per 100,000 population*

Southeastern Rank 11/12
Average deaths/year 16



FEMALE BREAST CANCER DEATHS per 100,000 women*

Southeastern Rank 2/12
Average deaths/year 5

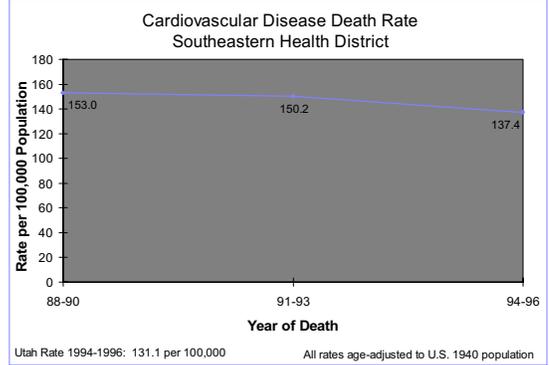


* Mortality rates age-adjusted to U.S. 1940 population

Southeastern Utah District Health District

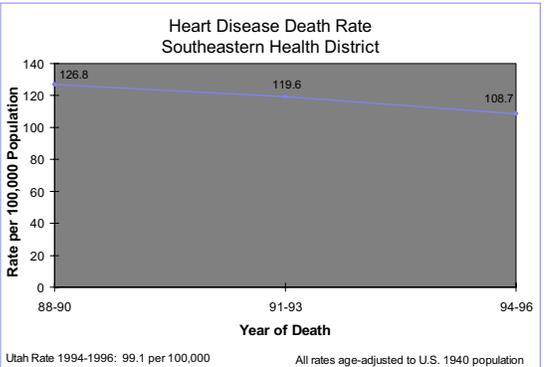
CARDIOVASCULAR DISEASE DEATHS per 100,000 population*

Southeastern Rank 7/12
 Average deaths/year 126



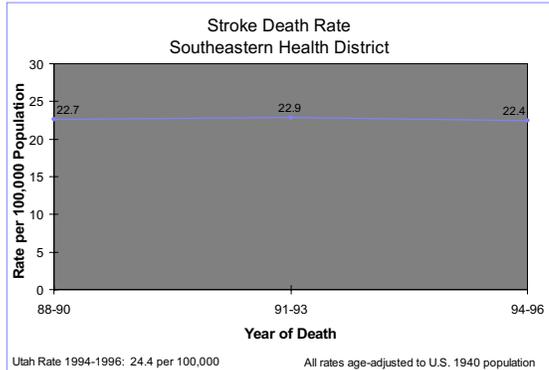
HEART DISEASE DEATHS per 100,000 population*

Southeastern Rank 9/12
 Average deaths/year 94



STROKE DEATHS per 100,000 population*

Southeastern Rank 6/12
 Average deaths/year 25

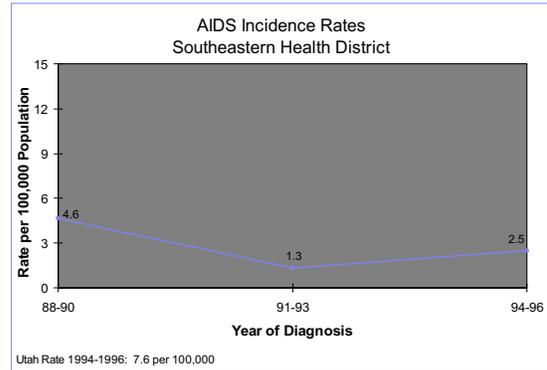


* Mortality rates age-adjusted to U.S. 1940 population

Southeastern Utah District Health District

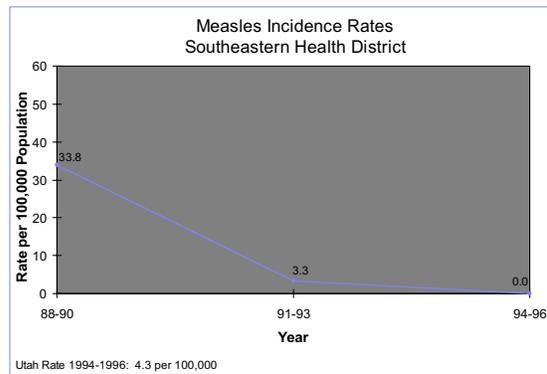
Reported incidence (per 100,000 population) of **ACQUIRED IMMUNODEFICIENCY SYNDROME** (1994-1996)

Southeastern Rank 5/11
Average cases/year 1



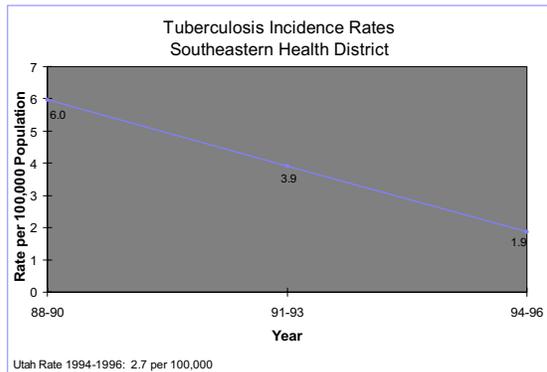
Reported incidence (per 100,000 population) of **MEASLES** (1994-1996)

Southeastern Rank 1/12
Average cases/year 0



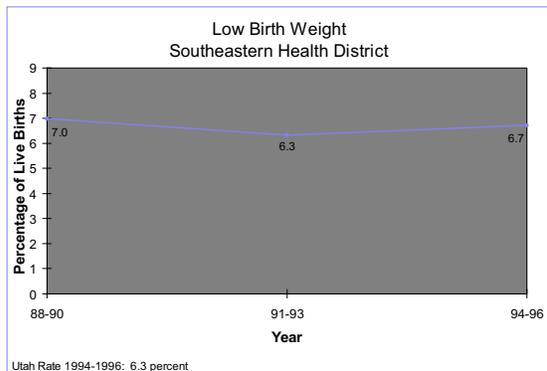
Reported incidence (per 100,000 population) of **TUBERCULOSIS** (1994-1996)

Southeastern Rank 10/12
Average cases/year 1



Prevalence of LOW BIRTH WEIGHT as measured by the percentage of live born infants weighing under 2,500 grams at birth

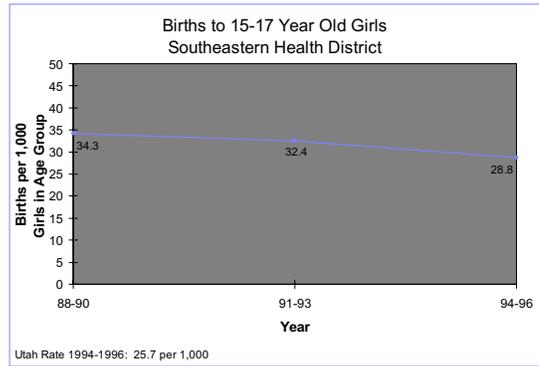
Southeastern Rank 5/12
Average number of LBW births/year 57



Southeastern Utah District Health District

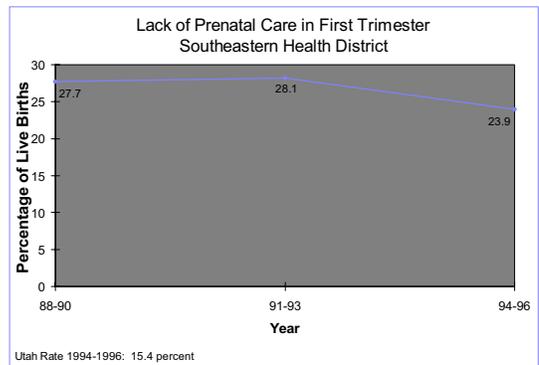
BIRTHS TO 15-17 YEAR OLD GIRLS per 1,000 girls aged 15-17 (1994-1996)

Southeastern Rank 10/12
 Average births/year to 15-17 yr old girls 52



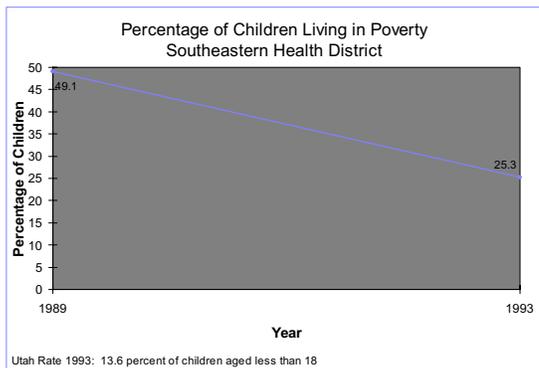
INADEQUATE PRENATAL CARE as measured by the percent of mothers delivering live infants who did not receive care in the first trimester (1994-1996)

Southeastern Rank 12/12
 Average births/year with inadequate prenatal care 203



CHILDHOOD POVERTY as measured by the proportion of children under age 18 living in families at or below the poverty level (1993 data applied to 1998 population)

Southeastern Rank 12/12
 Number of children living in poverty 4,543



AIR QUALITY as measured by the proportion of persons living in counties exceeding U.S. Environmental Protection Agency standards for air quality during 1996

Southeastern: No standards exceeded in 1996
 Utah: 0% live in counties where at least one standard exceeded

Southwest Utah Public Health District

Counties:

Beaver
Garfield
Iron
Kane
Washington

Estimated July 1, 1998 Population

129,793



Demographic Information*	Southwest	Utah
Race ▶ % White ▶ % African American ▶ % American Indian ▶ % Asian/Pacific Islander	 97.3 0.2 1.8 0.6	 95.2 0.8 1.5 2.5
Ethnicity ▶ % Hispanic (includes all races)	 2.1	 6.5
Education ▶ % with less than high school (ages 18+) ▶ % with college degree (ages 18+)	 15.4 23.0	 15.6 26.5
Income ▶ % of households with income less than \$10,000/yr ▶ % of households with income \$50,000/yr or more	 16.2 13.1	 12.6 19.9

* see Appendix 2 for definitions and data sources

Southwest Utah Public Health District

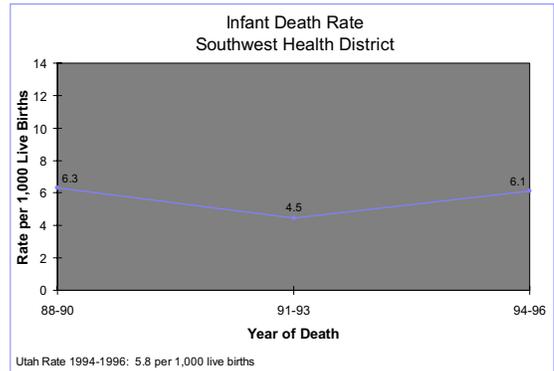
1996 Risk Factor and Health Related Behavior Information*	Southwest	Utah
Smoking		
▶ % Current Smokers (age 18 or over)	12.0	12.4
▶ % Households with at least one adult smoker	18.6	19.4
Alcohol Use		
▶ % Current Drinkers (age 18 or over)	20.8	25.3
Chronic Disease Risk Factors		
▶ Hypertension per 1,000 persons	211.5	189.6
▶ Diabetes per 1,000 persons	23.8	29.1
▶ % who exercise (age 6 or over)	46.7	44.9
▶ % at or above 120% ideal body weight (age 18 or over)	24.0	24.4
▶ % who have had cholesterol checked	67.9	71.9
Asthma		
▶ Reported asthma per 1,000 persons	35.4	41.2
▶ Reported asthma per 1,000 children aged 0-17	39.3	42.9
Guns		
▶ % Households with guns	55.7	43.9
▶ % Households with unlocked and loaded guns	4.7	2.9
Health Care Access		
▶ % with no health insurance	15.6	9.5
▶ % with outpatient visit in past 12 months	75.6	81.6
▶ % with no primary medical provider or usual place for medical care	18.7	17.8
▶ % women over age 40 who have ever had mammography	78.4	84.3
Injury		
▶ % of people injured within last 12 months	9.1	10.5
▶ % of households in which ≥ 1 member was a victim of interpersonal violence (not just domestic violence)	9.1	9.1

* see Appendix 2 for definitions and data sources

Southwest Utah Public Health District

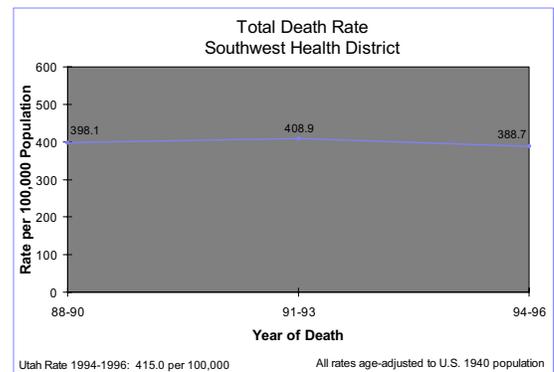
INFANT MORTALITY as measured by the rate (per 1,000 live births) of deaths among infants under one year of age

Southwest Rank 7/12
Average deaths/year 13



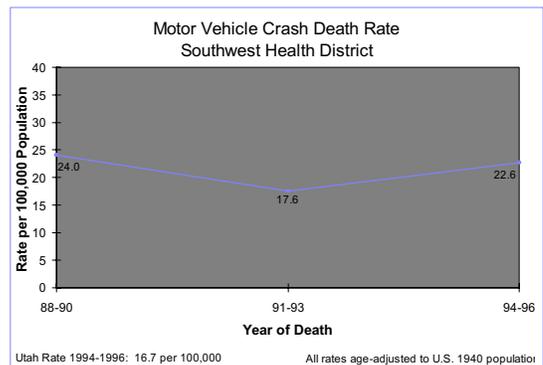
TOTAL DEATHS per 100,000 population*

Southwest Rank 4/12
Average deaths/year 784



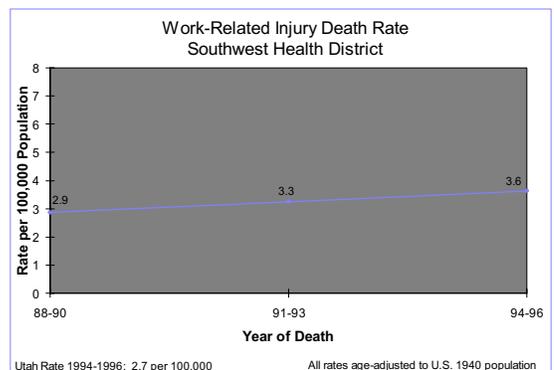
MOTOR VEHICLE CRASH DEATHS per 100,000 population*

Southwest Rank 7/12
Average deaths/year 25



WORK-RELATED INJURY DEATHS per 100,000 population*

Southwest Rank 8/12
Average deaths/year 4

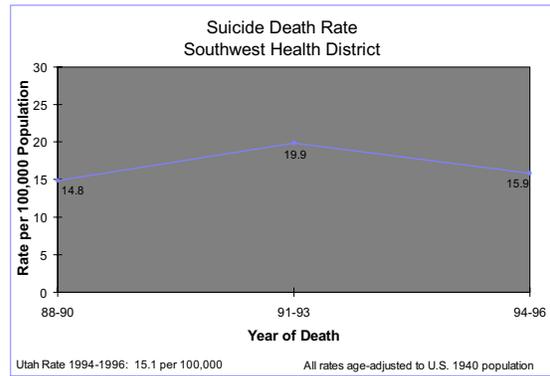


* Mortality rates age-adjusted to U.S. 1940 population

Southwest Utah Public Health District

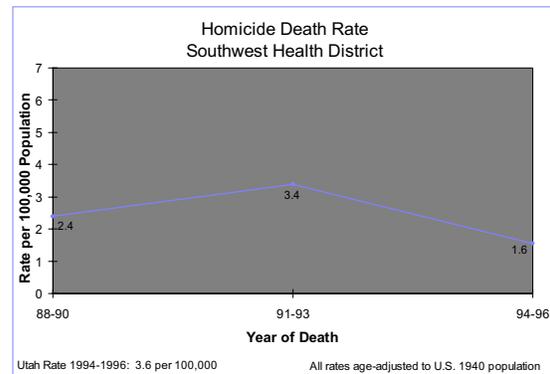
SUICIDES per 100,000 population*

Southwest Rank 7/12
Average deaths/year 18



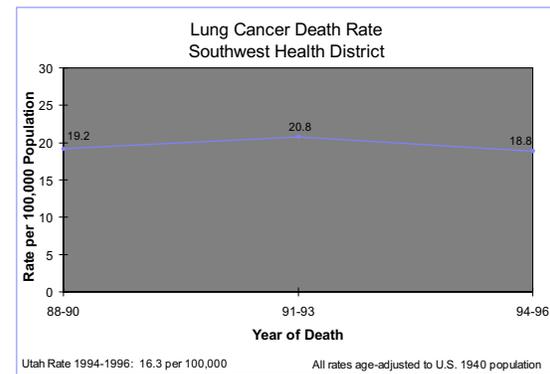
HOMICIDES per 100,000 population*

Southwest Rank 4/12
Average deaths/year 2



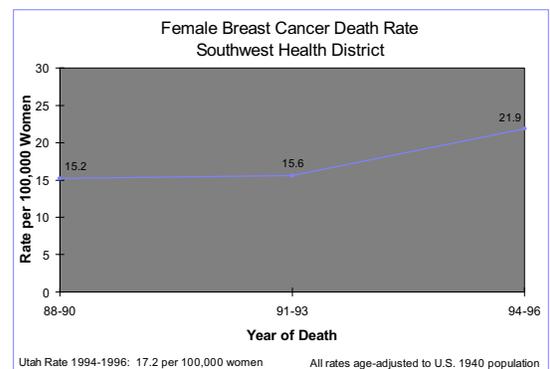
LUNG CANCER DEATHS per 100,000 population*

Southwest Rank 9/12
Average deaths/year 32



FEMALE BREAST CANCER DEATHS per 100,000 women*

Southwest Rank 11/12
Average deaths/year 17

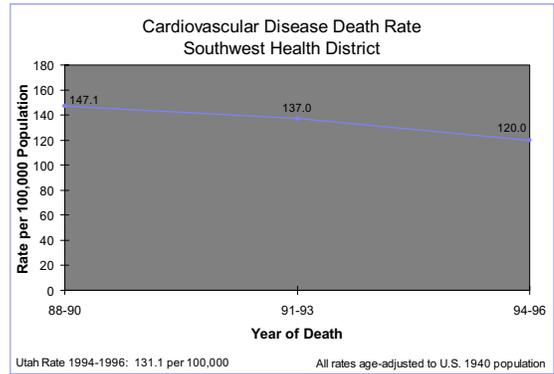


* Mortality rates age-adjusted to U.S. 1940 population

Southwest Utah Public Health District

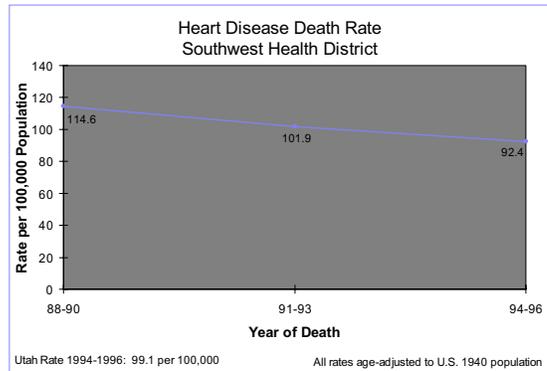
CARDIOVASCULAR DISEASE DEATHS per 100,000 population*

Southwest Rank 3/12
Average deaths/year 291



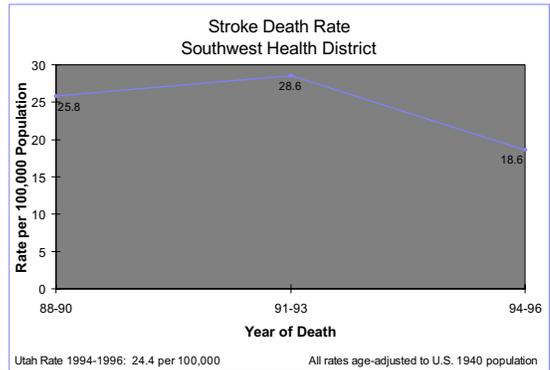
HEART DISEASE DEATHS per 100,000 population*

Southwest Rank 4/12
Average deaths/year 217



STROKE DEATHS per 100,000 population*

Southwest Rank 4/12
Average deaths/year 54

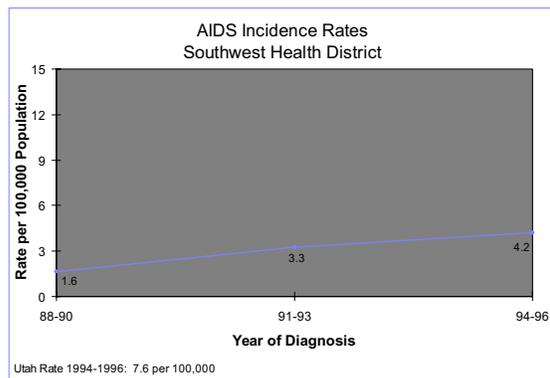


* Mortality rates age-adjusted to U.S. 1940 population

Southwest Utah Public Health District

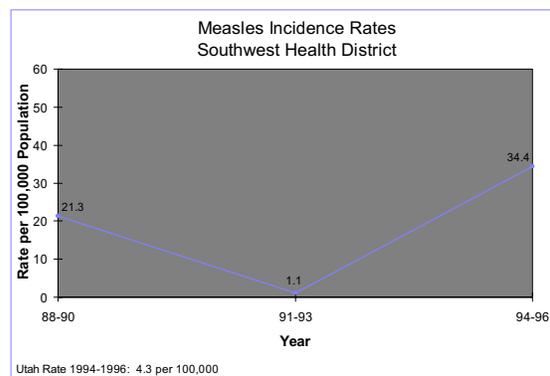
Reported incidence (per 100,000 population) of **ACQUIRED IMMUNODEFICIENCY SYNDROME** (1994-1996)

Southwest Rank 8/11
Average cases/year 5



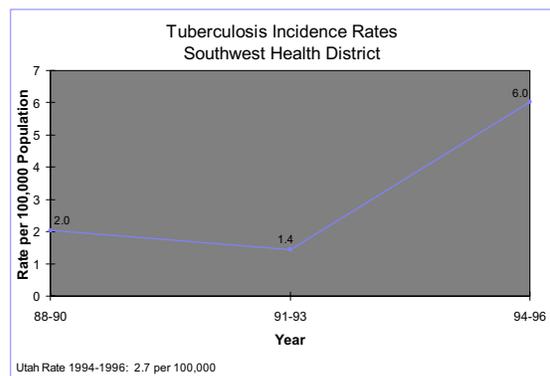
Reported incidence (per 100,000 population) of **MEASLES** (1994-1996)

Southwest Rank 11/12
Average cases/year 38



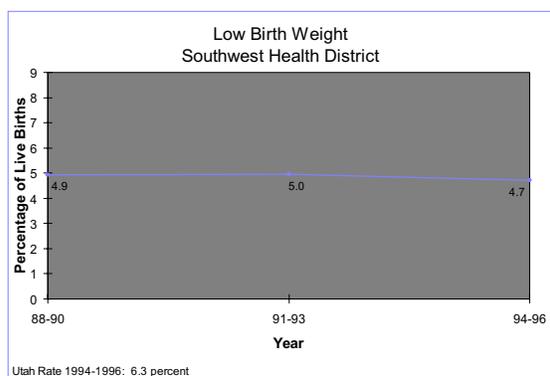
Reported incidence (per 100,000 population) of **TUBERCULOSIS** (1994-1996)

Southwest Rank 12/12
Average cases/year 7



Prevalence of LOW BIRTH WEIGHT as measured by the percentage of live born infants weighing under 2,500 grams at birth

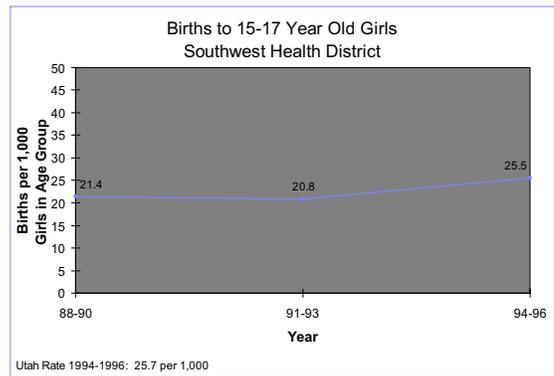
Southwest Rank 1/12
Average number of LBW births/year 103



Southwest Utah Public Health District

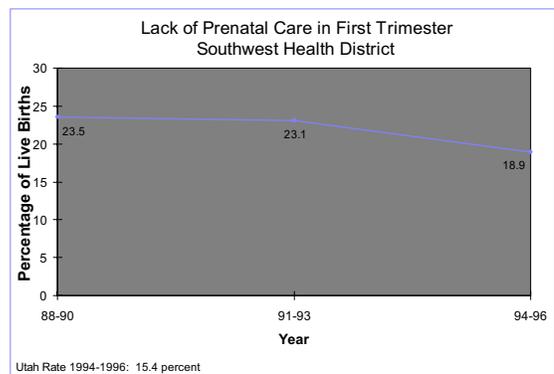
BIRTHS TO 15-17 YEAR OLD GIRLS per 1,000 girls aged 15-17 (1994-1996)

Southwest Rank 8/12
 Average births/year to 15-17 yr old girls 76



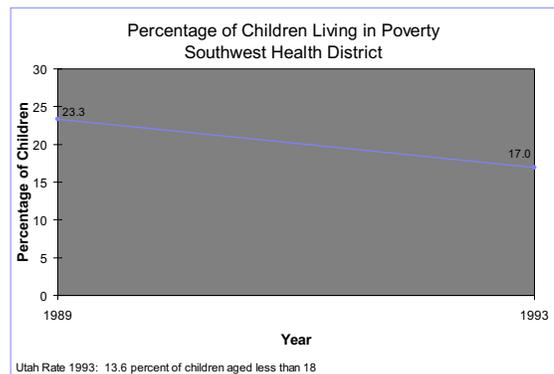
INADEQUATE PRENATAL CARE as measured by the percent of mothers delivering live infants who did not receive care in the first trimester (1994-1996)

Southwest Rank 9/12
 Average births/year with inadequate prenatal care 412



CHILDHOOD POVERTY as measured by the proportion of children under age 18 living in families at or below the poverty level (1993 data applied to 1998 population)

Southwest Rank 10/12
 Number of children living in poverty 6,718



AIR QUALITY as measured by the proportion of persons living in counties exceeding U.S. Environmental Protection Agency standards for air quality during 1996

Southwest: No standards exceeded in 1996
 Utah: 0% live in counties where at least one standard exceeded

Summit County Public Health District

Counties:

Summit

Estimated July 1, 1998 Population

25,581



Demographic Information*	Summit	Utah
Race ▶ % White ▶ % African American ▶ % American Indian ▶ % Asian/Pacific Islander	 99.1 0.2 0.2 0.5	 95.2 0.8 1.5 2.5
Ethnicity ▶ % Hispanic (includes all races)	 2.9	 6.5
Education ▶ % with less than high school (ages 18+) ▶ % with college degree (ages 18+)	 9.7 36.4	 15.6 26.5
Income ▶ % of households with income less than \$10,000/yr ▶ % of households with income \$50,000/yr or more	 8.3 32.4	 12.6 19.9

* see Appendix 2 for definitions and data sources

Summit County Public Health District

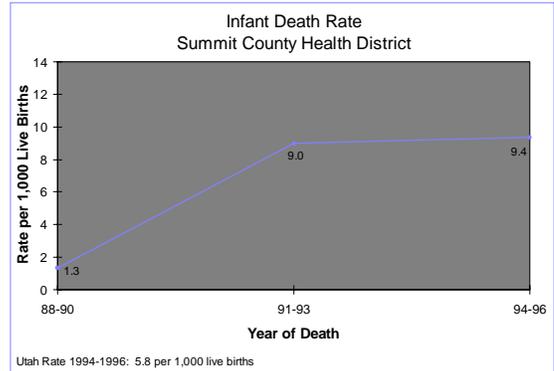
1996 Risk Factor and Health Related Behavior Information*	Summit	Utah
Smoking <ul style="list-style-type: none"> ➤ % Current Smokers (age 18 or over) ➤ % Households with at least one adult smoker 	<p>7.9</p> <p>14.2</p>	<p>12.4</p> <p>19.4</p>
Alcohol Use <ul style="list-style-type: none"> ➤ % Current Drinkers (age 18 or over) 	<p>48.9</p>	<p>25.3</p>
Chronic Disease Risk Factors <ul style="list-style-type: none"> ➤ Hypertension per 1,000 persons ➤ Diabetes per 1,000 persons ➤ % who exercise (age 6 or over) ➤ % at or above 120% ideal body weight (age 18 or over) ➤ % who have had cholesterol checked 	<p>144.9</p> <p>13.8</p> <p>54.3</p> <p>13.9</p> <p>76.0</p>	<p>189.6</p> <p>29.1</p> <p>44.9</p> <p>24.4</p> <p>71.9</p>
Asthma <ul style="list-style-type: none"> ➤ Reported asthma per 1,000 persons ➤ Reported asthma per 1,000 children aged 0-17 	<p>61.9</p> <p>57.9</p>	<p>41.2</p> <p>42.9</p>
Guns <ul style="list-style-type: none"> ➤ % Households with guns ➤ % Households with unlocked and loaded guns 	<p>48.6</p> <p>2.7</p>	<p>43.9</p> <p>2.9</p>
Health Care Access <ul style="list-style-type: none"> ➤ % with no health insurance ➤ % with outpatient visit in past 12 months ➤ % with no primary medical provider or usual place for medical care ➤ % women over age 40 who have ever had mammography 	<p>7.1</p> <p>77.6</p> <p>18.2</p> <p>85.9</p>	<p>9.5</p> <p>81.6</p> <p>17.8</p> <p>84.3</p>
Injury <ul style="list-style-type: none"> ➤ % of people injured within last 12 months ➤ % of households in which ≥1 member was a victim of interpersonal violence (not just domestic violence) 	<p>12.4</p> <p>5.1</p>	<p>10.5</p> <p>9.1</p>

* see Appendix 2 for definitions and data sources

Summit County Public Health District

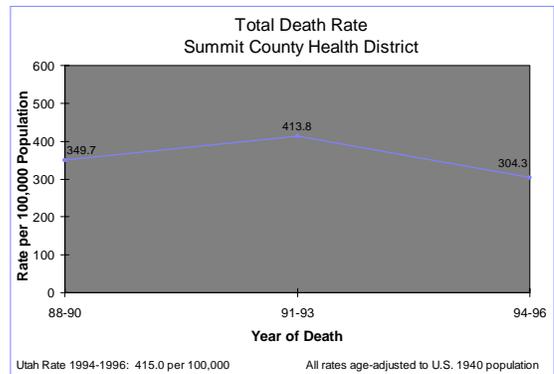
INFANT MORTALITY as measured by the rate (per 1,000 live births) of deaths among infants under one year of age

Summit Rank 10/12
Average deaths/year 3



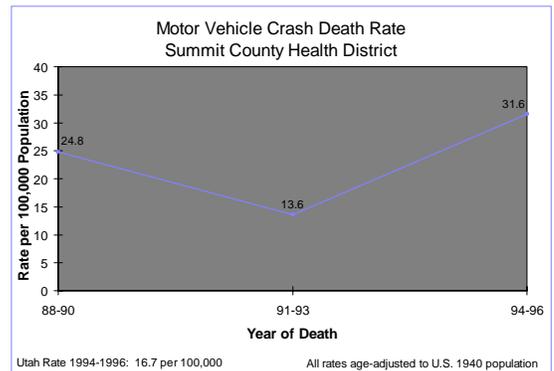
TOTAL DEATHS per 100,000 population*

Summit Rank 1/12
Average deaths/year 70



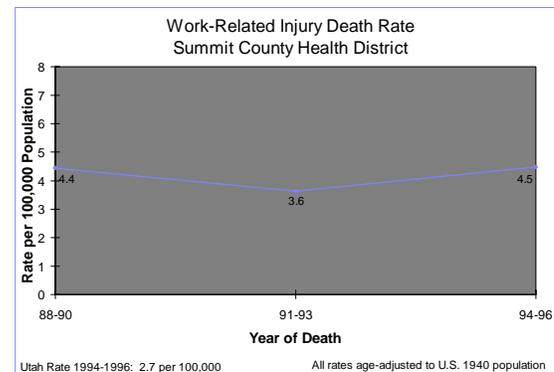
MOTOR VEHICLE CRASH DEATHS per 100,000 population*

Summit Rank 9/12
Average deaths/year 6



WORK-RELATED INJURY DEATHS per 100,000 population*

Summit Rank 9/12
Average deaths/year 1

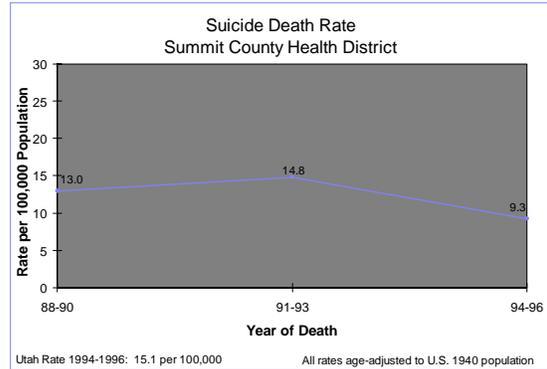


* Mortality rates age-adjusted to U.S. 1940 population

Summit County Public Health District

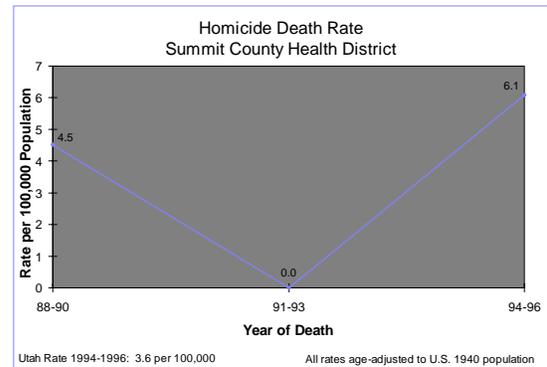
SUICIDES per 100,000 population*

Summit Rank 1/12
Average deaths/year 2



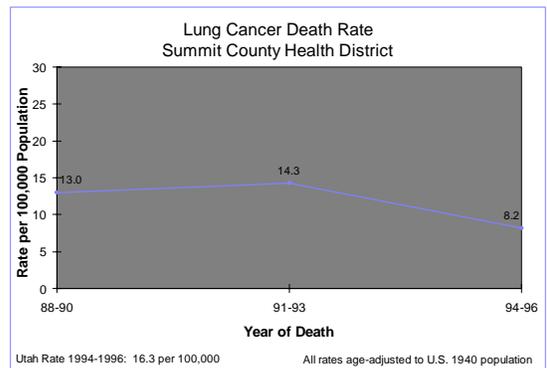
HOMICIDES per 100,000 population*

Summit Rank 11/12
Average deaths/year 1



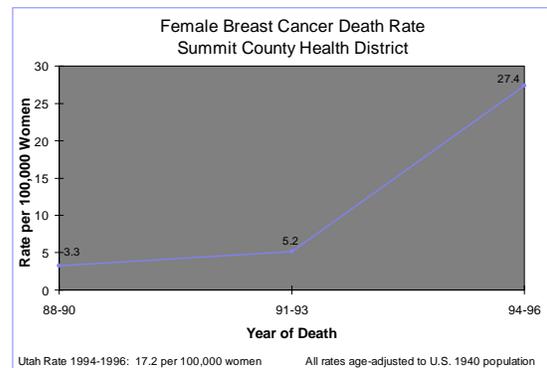
LUNG CANCER DEATHS per 100,000 population*

Summit Rank 1/12
Average deaths/year 1



FEMALE BREAST CANCER DEATHS per 100,000 women*

Summit Rank 12/12
Average deaths/year 3

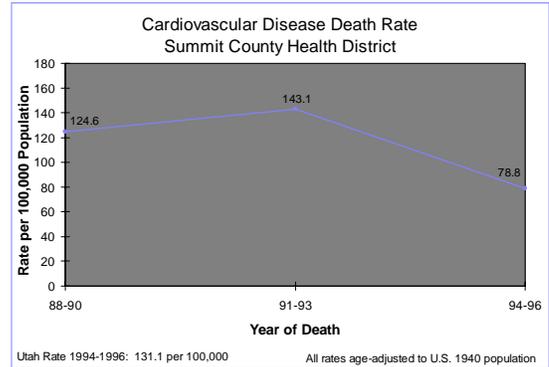


* Mortality rates age-adjusted to U.S. 1940 population

Summit County Public Health District

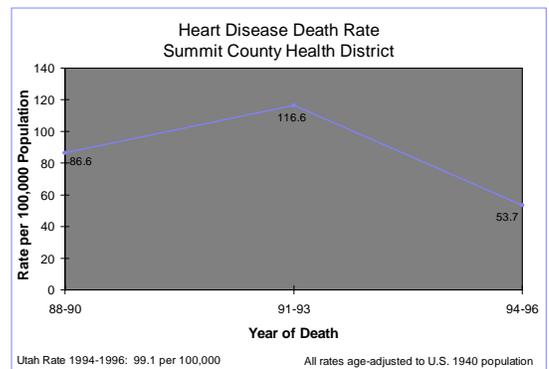
CARDIOVASCULAR DISEASE DEATHS per 100,000 population*

Summit Rank 1/12
Average deaths/year 20



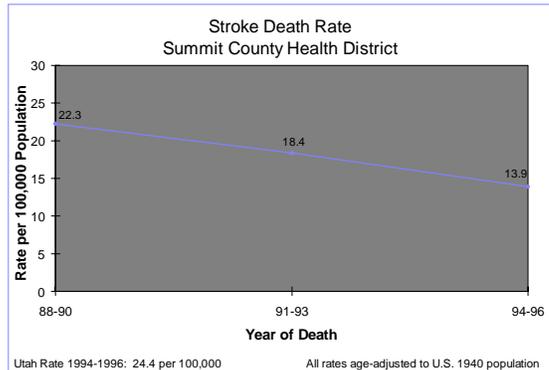
HEART DISEASE DEATHS per 100,000 population*

Summit Rank 1/12
Average deaths/year 14



STROKE DEATHS per 100,000 population*

Summit Rank 1/12
Average deaths/year 4

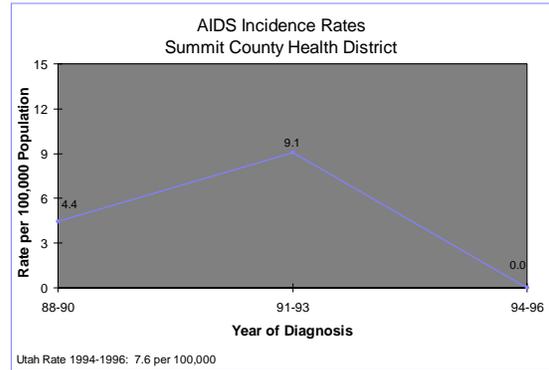


* Mortality rates age-adjusted to U.S. 1940 population

Summit County Public Health District

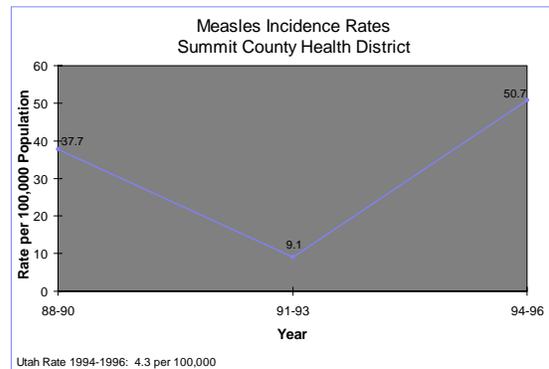
Reported incidence (per 100,000 population) of **ACQUIRED IMMUNODEFICIENCY SYNDROME** (1994-1996)

Summit Rank 1/11
Average cases/year 0



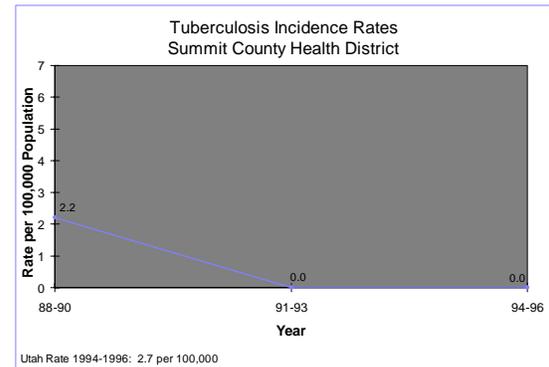
Reported incidence (per 100,000 population) of **MEASLES** (1994-1996)

Summit Rank 12/12
Average cases/year 11



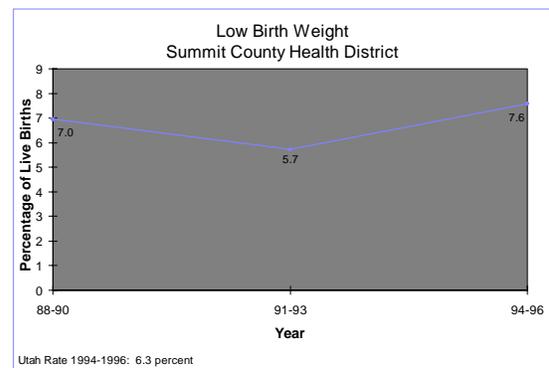
Reported incidence (per 100,000 population) of **TUBERCULOSIS** (1994-1996)

Summit Rank 1/12
Average cases/year 0



Prevalence of LOW BIRTH WEIGHT as measured by the percentage of live born infants weighing under 2,500 grams at birth

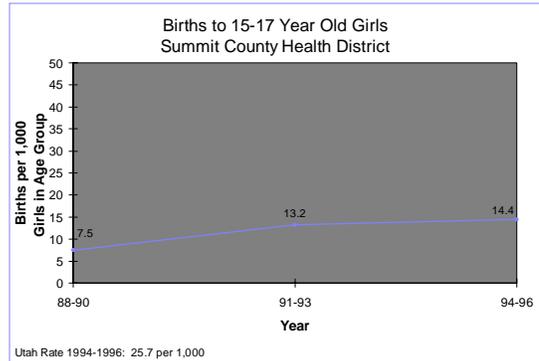
Summit Rank 11/12
Average number of LBW births/year 27



Summit County Public Health District

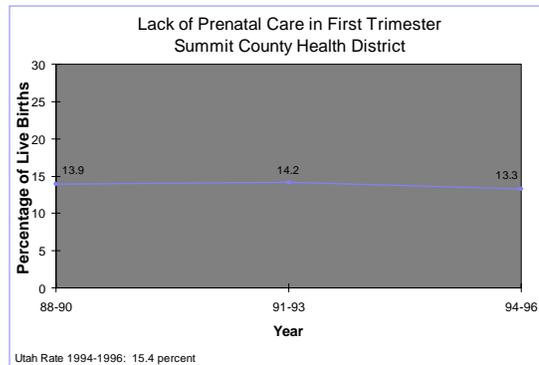
BIRTHS TO 15-17 YEAR OLD GIRLS per 1,000 girls aged 15-17 (1994-1996)

Summit Rank 1/12
 Average births/year to 15-17 yr old girls 8



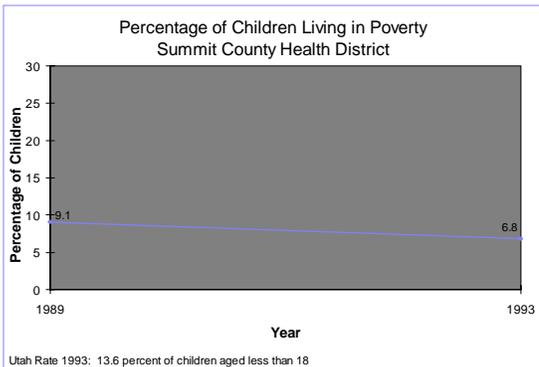
INADEQUATE PRENATAL CARE as measured by the percent of mothers delivering live infants who did not receive care in the first trimester (1994-1996)

Summit Rank 4/12
 Average births/year with inadequate prenatal care 47



CHILDHOOD POVERTY as measured by the proportion of children under age 18 living in families at or below the poverty level (1993 data applied to 1998 population)

Summit Rank 1/12
 Number of children living in poverty 506



AIR QUALITY as measured by the proportion of persons living in counties exceeding U.S. Environmental Protection Agency standards for air quality during 1996

Summit: No standards exceeded in 1996
 Utah: 0% live in counties where at least one standard exceeded

Tooele County Health District

Counties:

Tooele

Estimated July 1, 1998 Population

34,073



Demographic Information*	Tooele	Utah
Race <ul style="list-style-type: none"> ➤ % White ➤ % African American ➤ % American Indian ➤ % Asian/Pacific Islander 	96.5 0.7 1.9 0.9	95.2 0.8 1.5 2.5
Ethnicity <ul style="list-style-type: none"> ➤ % Hispanic (includes all races) 	14.4	6.5
Education <ul style="list-style-type: none"> ➤ % with less than high school (ages 18+) ➤ % with college degree (ages 18+) 	24.0 16.0	15.6 26.5
Income <ul style="list-style-type: none"> ➤ % of households with income less than \$10,000/yr ➤ % of households with income \$50,000/yr or more 	12.5 18.3	12.6 19.9

* see Appendix 2 for definitions and data sources

Tooele County Health District

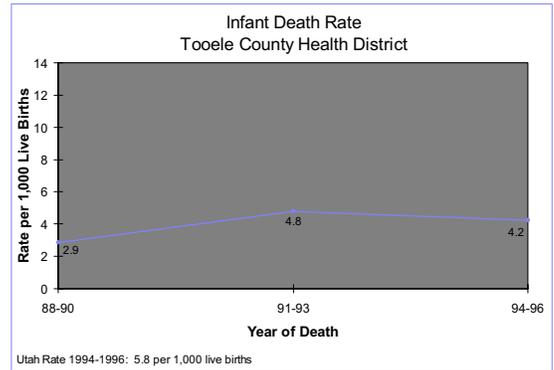
1996 Risk Factor and Health Related Behavior Information*	Tooele	Utah
Smoking <ul style="list-style-type: none"> ➤ % Current Smokers (age 18 or over) ➤ % Households with at least one adult smoker 	<p style="text-align: center;">21.7</p> <p style="text-align: center;">32.6</p>	<p style="text-align: center;">12.4</p> <p style="text-align: center;">19.4</p>
Alcohol Use <ul style="list-style-type: none"> ➤ % Current Drinkers (age 18 or over) 	<p style="text-align: center;">29.1</p>	<p style="text-align: center;">25.3</p>
Chronic Disease Risk Factors <ul style="list-style-type: none"> ➤ Hypertension per 1,000 persons ➤ Diabetes per 1,000 persons ➤ % who exercise (age 6 or over) ➤ % at or above 120% ideal body weight (age 18 or over) ➤ % who have had cholesterol checked 	<p style="text-align: center;">228.8</p> <p style="text-align: center;">36.7</p> <p style="text-align: center;">44.6</p> <p style="text-align: center;">27.5</p> <p style="text-align: center;">70.8</p>	<p style="text-align: center;">189.6</p> <p style="text-align: center;">29.1</p> <p style="text-align: center;">44.9</p> <p style="text-align: center;">24.4</p> <p style="text-align: center;">71.9</p>
Asthma <ul style="list-style-type: none"> ➤ Reported asthma per 1,000 persons ➤ Reported asthma per 1,000 children aged 0-17 	<p style="text-align: center;">55.1</p> <p style="text-align: center;">49.2</p>	<p style="text-align: center;">41.2</p> <p style="text-align: center;">42.9</p>
Guns <ul style="list-style-type: none"> ➤ % Households with guns ➤ % Households with unlocked and loaded guns 	<p style="text-align: center;">57.6</p> <p style="text-align: center;">3.5</p>	<p style="text-align: center;">43.9</p> <p style="text-align: center;">2.9</p>
Health Care Access <ul style="list-style-type: none"> ➤ % with no health insurance ➤ % with outpatient visit in past 12 months ➤ % with no primary medical provider or usual place for medical care ➤ % women over age 40 who have ever had mammography 	<p style="text-align: center;">8.4</p> <p style="text-align: center;">77.9</p> <p style="text-align: center;">24.2</p> <p style="text-align: center;">89.0</p>	<p style="text-align: center;">9.5</p> <p style="text-align: center;">81.6</p> <p style="text-align: center;">17.8</p> <p style="text-align: center;">84.3</p>
Injury <ul style="list-style-type: none"> ➤ % of people injured within last 12 months ➤ % of households in which ≥ 1 member was a victim of interpersonal violence (not just domestic violence) 	<p style="text-align: center;">11.4</p> <p style="text-align: center;">12.7</p>	<p style="text-align: center;">10.5</p> <p style="text-align: center;">9.1</p>

* see Appendix 2 for definitions and data sources

Tooele County Health District

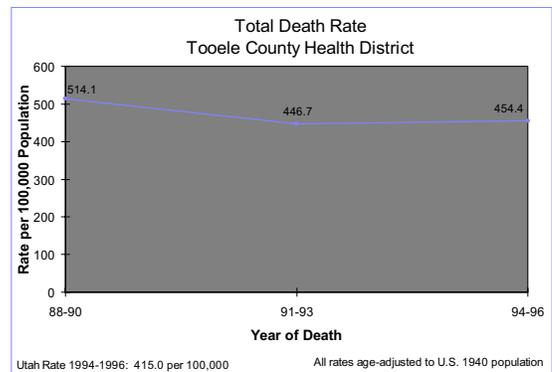
INFANT MORTALITY as measured by the rate (per 1,000 live births) of deaths among infants under one year of age

Tooele Rank 2/12
Average deaths/year 2



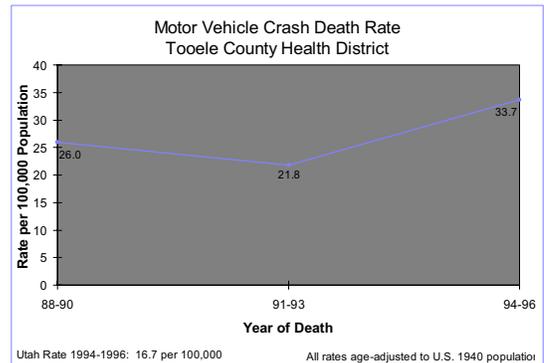
TOTAL DEATHS per 100,000 population*

Tooele Rank 11/12
Average deaths/year 174



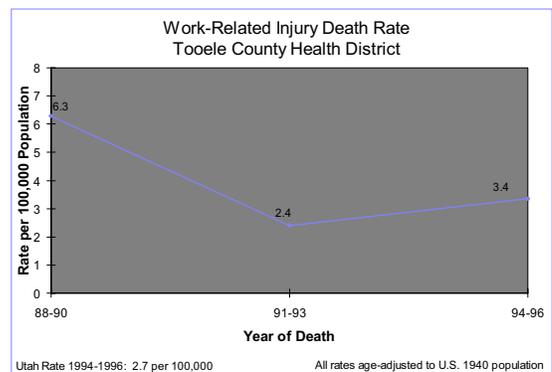
MOTOR VEHICLE CRASH DEATHS per 100,000 population*

Tooele Rank 10/12
Average deaths/year 10



WORK-RELATED INJURY DEATHS per 100,000 population*

Tooele Rank 7/12
Average deaths/year 1

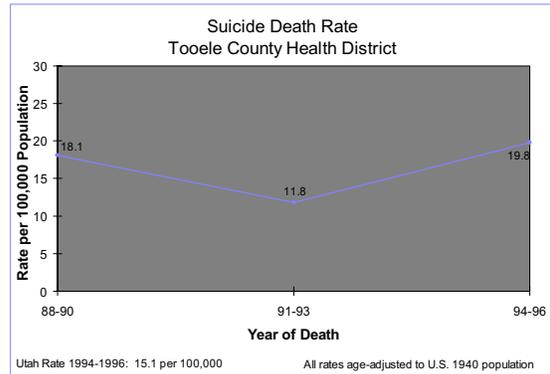


* Mortality rates age-adjusted to U.S. 1940 population

Tooele County Health District

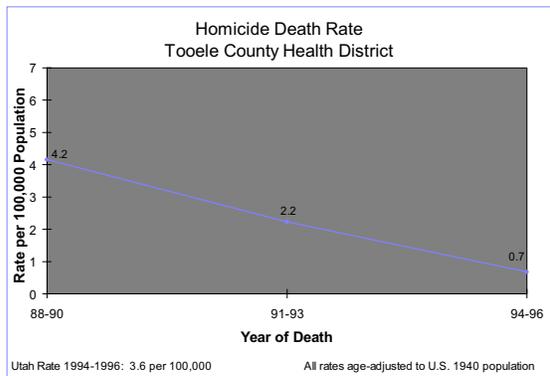
SUICIDES per 100,000 population*

Tooele Rank 10/12
Average deaths/year 6



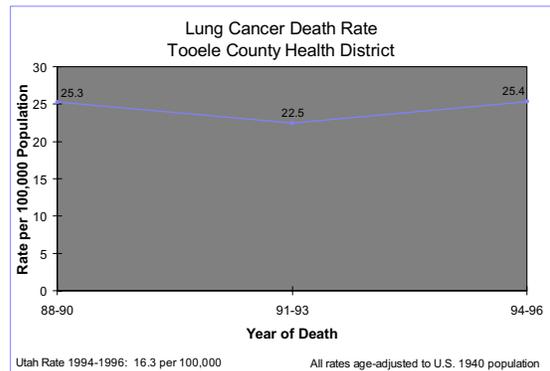
HOMICIDES per 100,000 population*

Tooele Rank 1/12
Average deaths/year <1



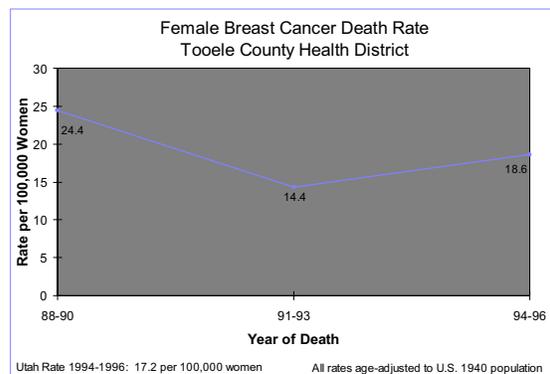
LUNG CANCER DEATHS per 100,000 population*

Tooele Rank 12/12
Average deaths/year 9



FEMALE BREAST CANCER DEATHS per 100,000 women*

Tooele Rank 10/12
Average deaths/year 3

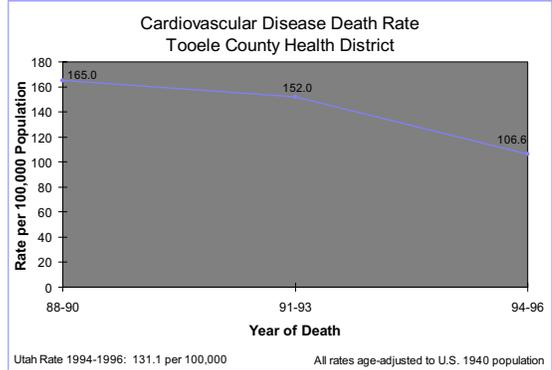


* Mortality rates age-adjusted to U.S. 1940 population

Tooele County Health District

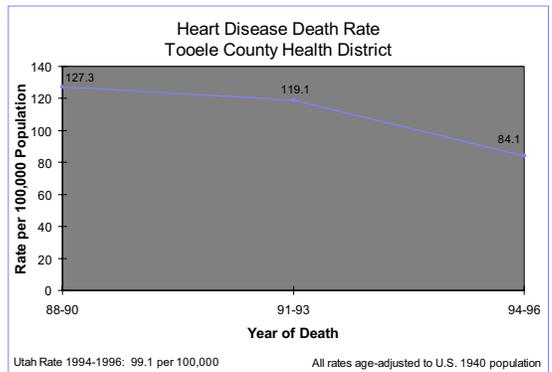
CARDIOVASCULAR DISEASE DEATHS per 100,000 population*

Tooele Rank 2/12
Average deaths/year 48



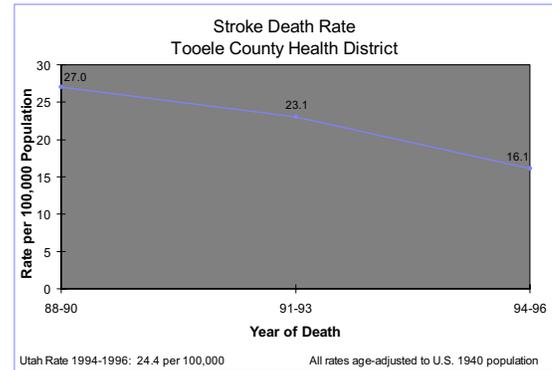
HEART DISEASE DEATHS per 100,000 population*

Tooele Rank 2/12
Average deaths/year 38



STROKE DEATHS per 100,000 population*

Tooele Rank 2/12
Average deaths/year 7

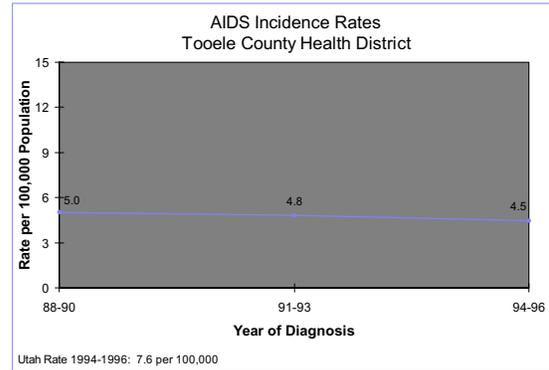


* Mortality rates age-adjusted to U.S. 1940 population

Tooele County Health District

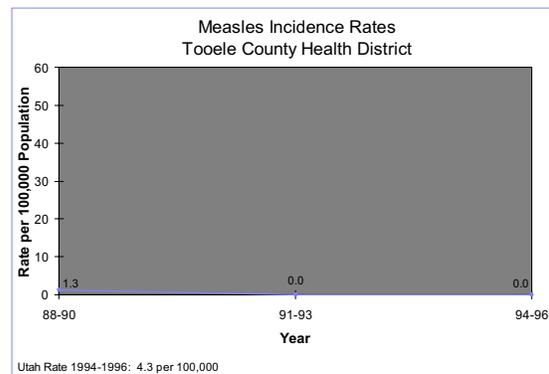
Reported incidence (per 100,000 population) of **ACQUIRED IMMUNODEFICIENCY SYNDROME** (1994-1996)

Tooele Rank 9/11
Average cases/year 1



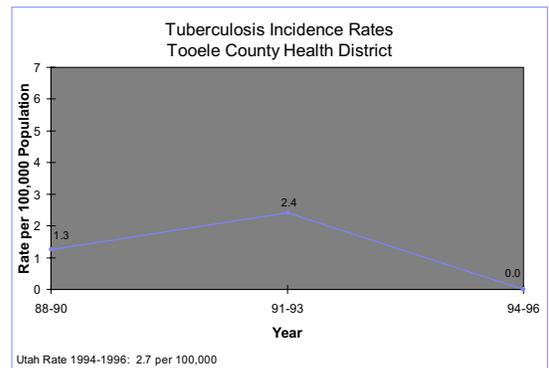
Reported incidence (per 100,000 population) of **MEASLES** (1994-1996)

Tooele Rank 1/12
Average cases/year 0



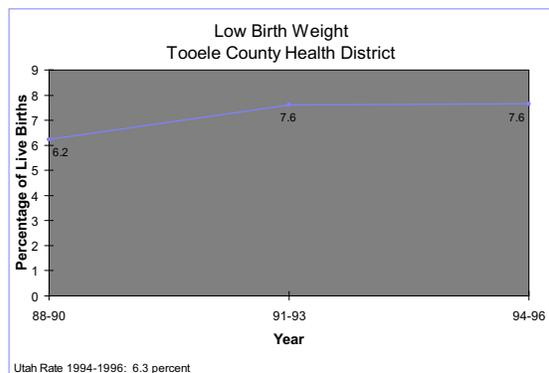
Reported incidence (per 100,000 population) of **TUBERCULOSIS** (1994-1996)

Tooele Rank 1/12
Average cases/year 0



Prevalence of LOW BIRTH WEIGHT as measured by the percentage of live born infants weighing under 2,500 grams at birth

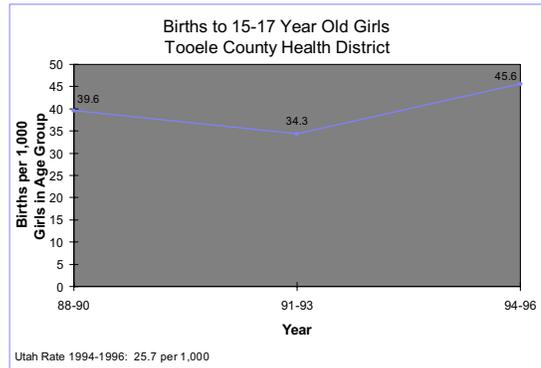
Tooele Rank 11/12
Average number of LBW births/year 42



Tooele County Health District

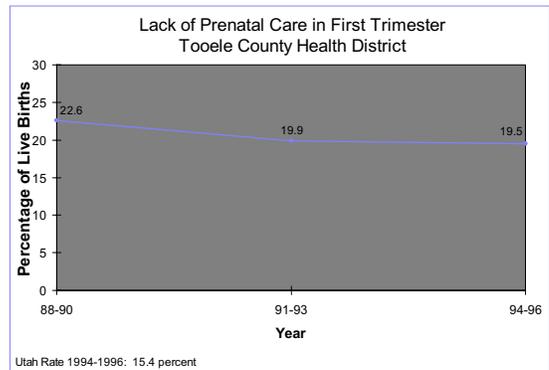
BIRTHS TO 15-17 YEAR OLD GIRLS per 1,000 girls aged 15-17 (1994-1996)

Tooele Rank 12/12
 Average births/year to 15-17 yr old girls 41



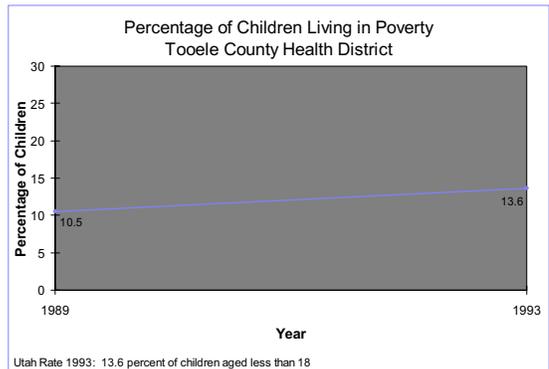
INADEQUATE PRENATAL CARE as measured by the percent of mothers delivering live infants who did not receive care in the first trimester (1994-1996)

Tooele Rank 10/12
 Average births/year with inadequate prenatal care 107



CHILDHOOD POVERTY as measured by the proportion of children under age 18 living in families at or below the poverty level (1993 data applied to 1998 population)

Tooele Rank 6/12
 Number of children living in poverty 1,417



AIR QUALITY as measured by the proportion of persons living in counties exceeding U.S. Environmental Protection Agency standards for air quality during 1996

Tooele: No standards exceeded in 1996
 Utah: 0% live in counties where at least one standard exceeded

Tri-County Health District

Counties:

Daggett
Duchesne
Uintah

Estimated July 1, 1998 Population

39,595



Demographic Information*	Tri-County	Utah
Race ▶ % White ▶ % African American ▶ % American Indian ▶ % Asian/Pacific Islander	 90.7 0.1 8.9 0.4	 95.2 0.8 1.5 2.5
Ethnicity ▶ % Hispanic (includes all races)	 3.4	 6.5
Education ▶ % with less than high school (ages 18+) ▶ % with college degree (ages 18+)	 27.3 15.2	 15.6 26.5
Income ▶ % of households with income less than \$10,000/yr ▶ % of households with income \$50,000/yr or more	 18.8 10.6	 12.6 19.9

* see Appendix 2 for definitions and data sources

Tri-County Health District

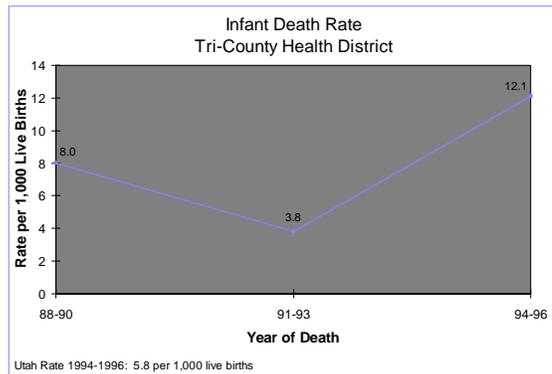
1996 Risk Factor and Health Related Behavior Information*	Tri-County	Utah
Smoking <ul style="list-style-type: none"> ➤ % Current Smokers (age 18 or over) ➤ % Households with at least one adult smoker 	<p>18.2</p> <p>27.3</p>	<p>12.4</p> <p>19.4</p>
Alcohol Use <ul style="list-style-type: none"> ➤ % Current Drinkers (age 18 or over) 	<p>24.7</p>	<p>25.3</p>
Chronic Disease Risk Factors <ul style="list-style-type: none"> ➤ Hypertension per 1,000 persons ➤ Diabetes per 1,000 persons ➤ % who exercise (age 6 or over) ➤ % at or above 120% ideal body weight (age 18 or over) ➤ % who have had cholesterol checked 	<p>190.2</p> <p>35.2</p> <p>42.9</p> <p>28.0</p> <p>63.0</p>	<p>189.6</p> <p>29.1</p> <p>44.9</p> <p>24.4</p> <p>71.9</p>
Asthma <ul style="list-style-type: none"> ➤ Reported asthma per 1,000 persons ➤ Reported asthma per 1,000 children aged 0-17 	<p>48.4</p> <p>52.9</p>	<p>41.2</p> <p>42.9</p>
Guns <ul style="list-style-type: none"> ➤ % Households with guns ➤ % Households with unlocked and loaded guns 	<p>68.1</p> <p>5.5</p>	<p>43.9</p> <p>2.9</p>
Health Care Access <ul style="list-style-type: none"> ➤ % with no health insurance ➤ % with outpatient visit in past 12 months ➤ % with no primary medical provider or usual place for medical care ➤ % women over age 40 who have ever had mammography 	<p>16.7</p> <p>57.9</p> <p>15.4</p> <p>76.1</p>	<p>9.5</p> <p>81.6</p> <p>17.8</p> <p>84.3</p>
Injury <ul style="list-style-type: none"> ➤ % of people injured within last 12 months ➤ % of households in which ≥1 member was a victim of interpersonal violence (not just domestic violence) 	<p>10.1</p> <p>5.2</p>	<p>10.5</p> <p>9.1</p>

* see Appendix 2 for definitions and data sources

Tri-County Health District

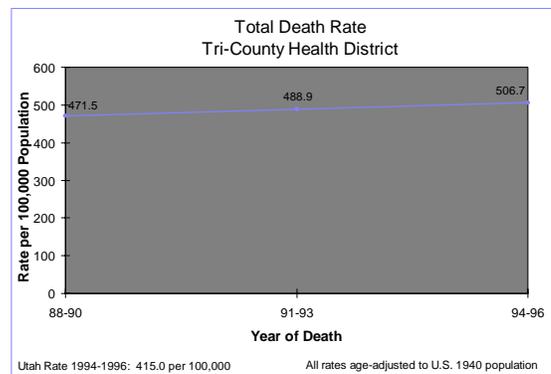
INFANT MORTALITY as measured by the rate (per 1,000 live births) of deaths among infants under one year of age

Tri-County Rank 12/12
 Average deaths/year 8



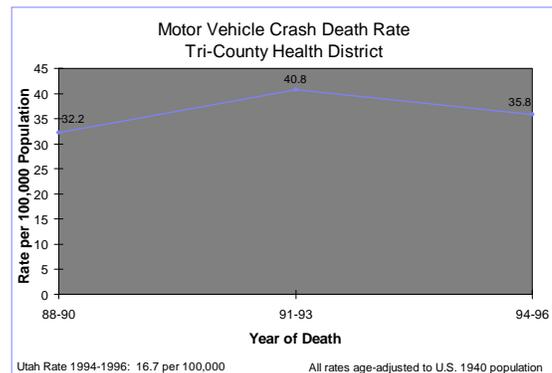
TOTAL DEATHS per 100,000 population*

Tri-County Rank 12/12
 Average deaths/year 242



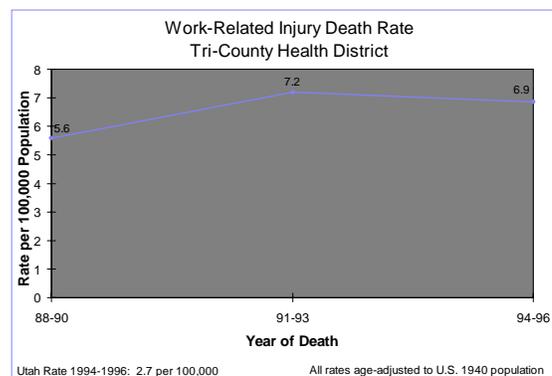
MOTOR VEHICLE CRASH DEATHS per 100,000 population*

Tri-County Rank 12/12
 Average deaths/year 14



WORK-RELATED INJURY DEATHS per 100,000 population*

Tri-County Rank 12/12
 Average deaths/year 3

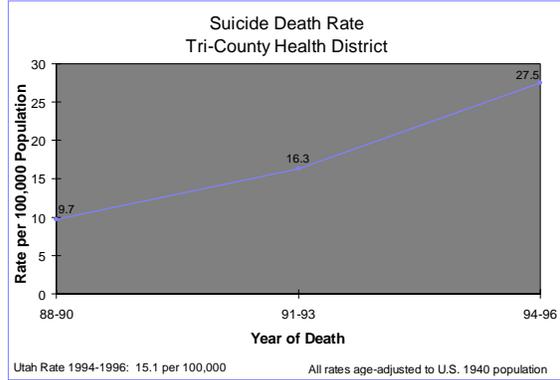


* Mortality rates age-adjusted to U.S. 1940 population

Tri-County Health District

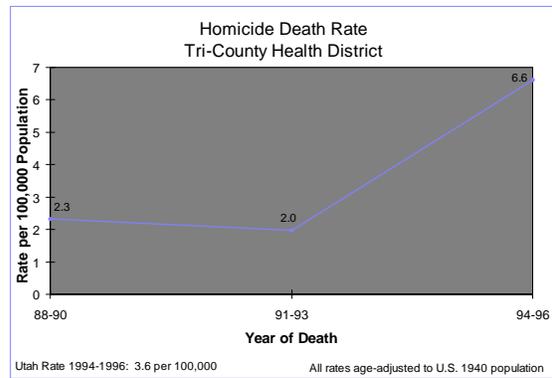
SUICIDES per 100,000 population*

Tri-County Rank 12/12
Average deaths/year 11



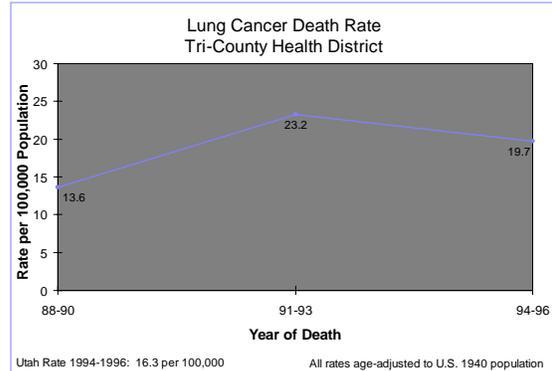
HOMICIDES per 100,000 population*

Tri-County Rank 12/12
Average deaths/year 2



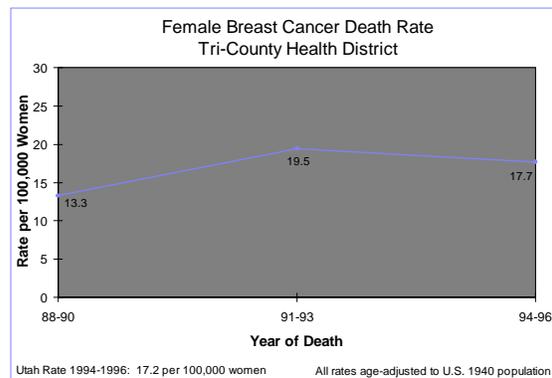
LUNG CANCER DEATHS per 100,000 population*

Tri-County Rank 10/12
Average deaths/year 8



FEMALE BREAST CANCER DEATHS per 100,000 women*

Tri-County Rank 7/12
Average deaths/year 5

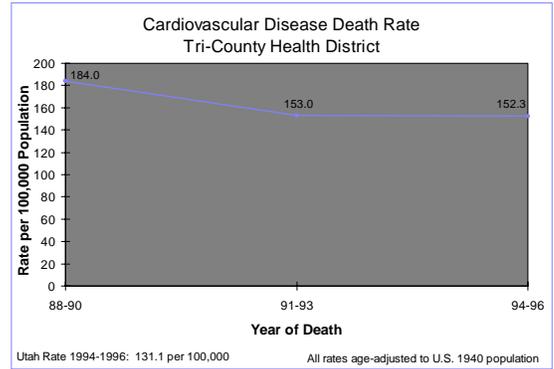


* Mortality rates age-adjusted to U.S. 1940 population

Tri-County Health District

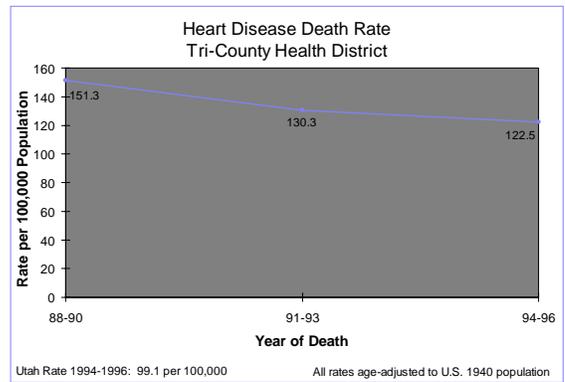
CARDIOVASCULAR DISEASE DEATHS per 100,000 population*

Tri-County Rank 10/12
 Average deaths/year 82



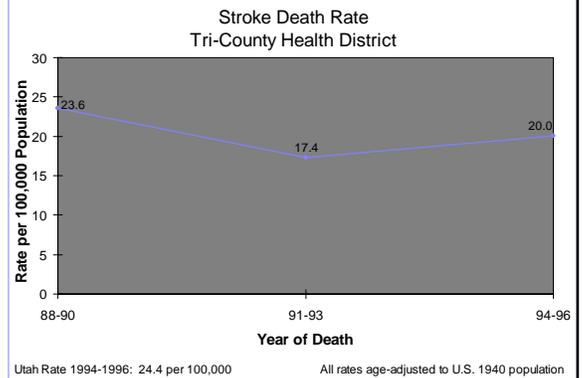
HEART DISEASE DEATHS per 100,000 population*

Tri-County Rank 11/12
 Average deaths/year 65



STROKE DEATHS per 100,000 population*

Tri-County Rank 5/12
 Average deaths/year 12

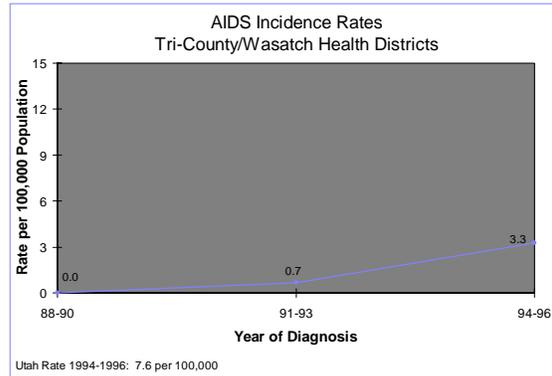


* Mortality rates age-adjusted to U.S. 1940 population

Tri-County Health District

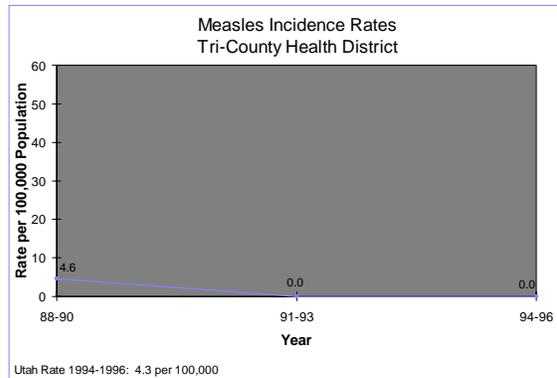
Reported incidence (per 100,000 population) of **ACQUIRED IMMUNODEFICIENCY SYNDROME** (1994-1996)

Tri-County/Wasatch Rank 6/11
Average cases/year 2



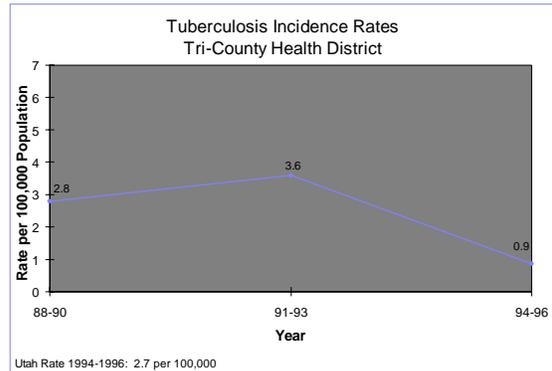
Reported incidence (per 100,000 population) of **MEASLES** (1994-1996)

Tri-County Rank 1/12
Average cases/year 0



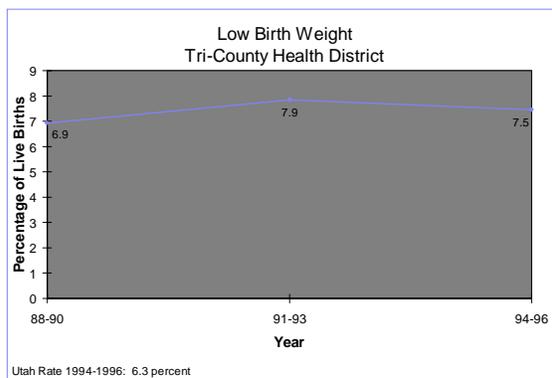
Reported incidence (per 100,000 population) of **TUBERCULOSIS** (1994-1996)

Tri-County Rank 6/12
Average cases/year <1



Prevalence of LOW BIRTH WEIGHT as measured by the percentage of live born infants weighing under 2,500 grams at birth

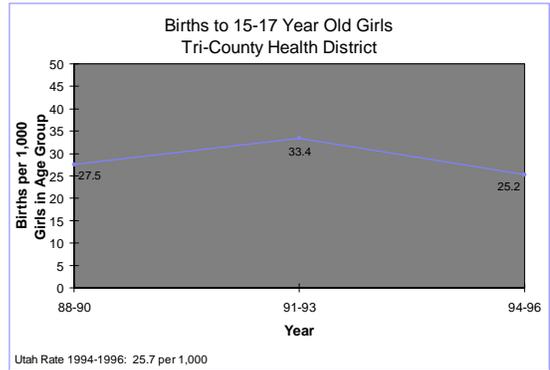
Tri-County Rank 9/12
Average number of LBW births/year 49



Tri-County Health District

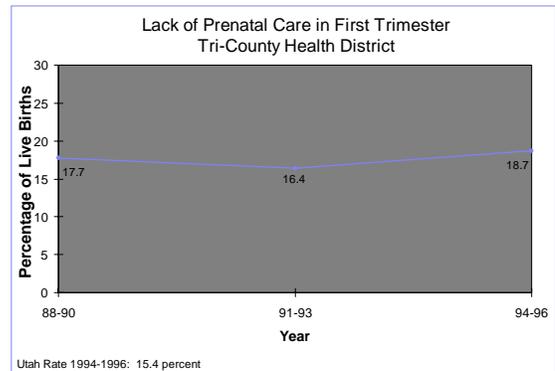
BIRTHS TO 15-17 YEAR OLD GIRLS per 1,000 girls aged 15-17 (1994-1996)

Tri-County Rank 7/12
 Average births/year
 to 15-17 yr old girls 35



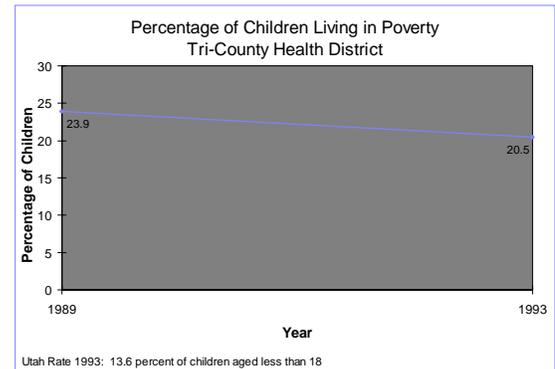
INADEQUATE PRENATAL CARE as measured by the percent of mothers delivering live infants who did not receive care in the first trimester (1994-1996)

Tri-County Rank 8/12
 Average births/year with
 inadequate prenatal care 124



CHILDHOOD POVERTY as measured by the proportion of children under age 18 living in families at or below the poverty level (1993 data applied to 1998 population)

Tri-County Rank 11/12
 Number of children living in poverty 2,773



AIR QUALITY as measured by the proportion of persons living in counties exceeding U.S. Environmental Protection Agency standards for air quality during 1996

Tri-County: No standards exceeded in 1996
 Utah: 0% live in counties where at least one standard exceeded

Utah County Health District

Counties:

Utah

Estimated July 1, 1998 Population

333,813



Demographic Information*	Utah Cnty.	Utah
Race ➤ % White ➤ % African American ➤ % American Indian ➤ % Asian/Pacific Islander	 97.0 0.3 0.8 1.9	 95.2 0.8 1.5 2.5
Ethnicity ➤ % Hispanic (includes all races)	 4.4	 6.5
Education ➤ % with less than high school (ages 18+) ➤ % with college degree (ages 18+)	 11.4 28.5	 15.6 26.5
Income ➤ % of households with income less than \$10,000/yr ➤ % of households with income \$50,000/yr or more	 13.2 17.1	 12.6 19.9

* see Appendix 2 for definitions and data sources

Utah County Health District

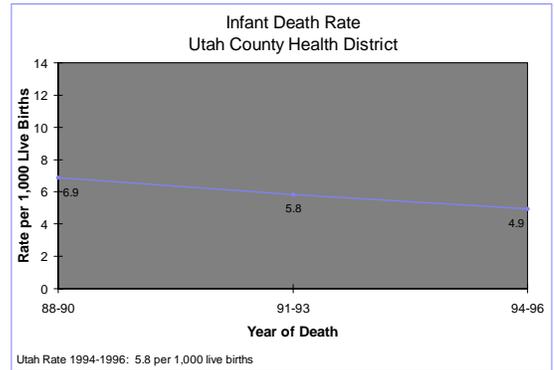
1996 Risk Factor and Health Related Behavior Information*	Utah County	Utah
Smoking <ul style="list-style-type: none"> ➤ % Current Smokers (age 18 or over) ➤ % Households with at least one adult smoker 	 7.2 12.5	 12.4 19.4
Alcohol Use <ul style="list-style-type: none"> ➤ % Current Drinkers (age 18 or over) 	 9.8	 25.3
Chronic Disease Risk Factors <ul style="list-style-type: none"> ➤ Hypertension per 1,000 persons ➤ Diabetes per 1,000 perspms ➤ % who exercise (age 6 or over) ➤ % at or above 120% ideal body weight (age 18 or over) ➤ % who have had cholesterol checked 	 131.5 23.4 45.8 22.6 71.3	 189.6 29.1 44.9 24.4 71.9
Asthma <ul style="list-style-type: none"> ➤ Reported asthma per 1,000 persons ➤ Reported asthma per 1,000 children aged 0-17 	 34.2 33.3	 41.2 42.9
Guns <ul style="list-style-type: none"> ➤ % Households with guns ➤ % Households with unlocked and loaded guns 	 42.3 2.0	 43.9 2.9
Health Care Access <ul style="list-style-type: none"> ➤ % with no health insurance ➤ % with outpatient visit in past 12 months ➤ % with no primary medical provider or usual place for medical care ➤ % women over age 40 who have ever had mammography 	 9.7 77.5 15.8 78.2	 9.5 81.6 17.8 84.3
Injury <ul style="list-style-type: none"> ➤ % of people injured within last 12 months ➤ % of households in which ≥1 member was a victim of interpersonal violence (not just domestic violence) 	 10.4 10.5	 10.5 9.1

* see Appendix 2 for definitions and data sources

Utah County Health District

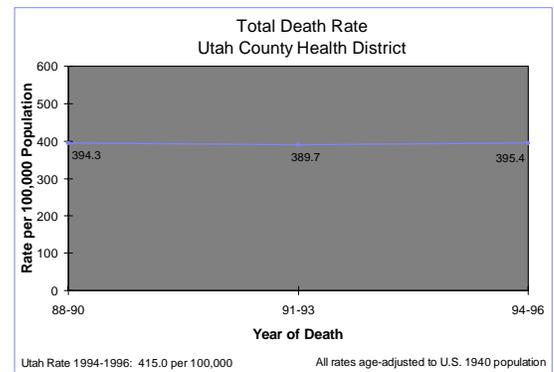
INFANT MORTALITY as measured by the rate (per 1,000 live births) of deaths among infants under one year of age

Utah County Rank 4/12
Average deaths/year 39



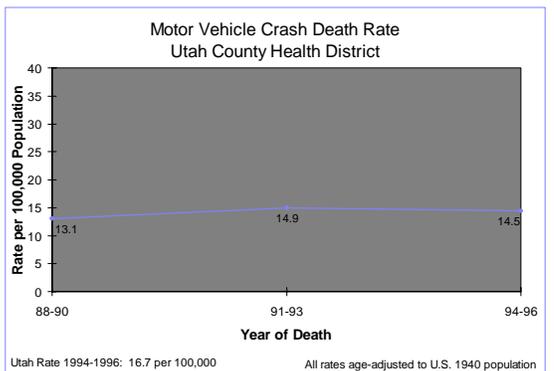
TOTAL DEATHS per 100,000 population*

Utah County Rank 5/12
Average deaths/year 1, 338



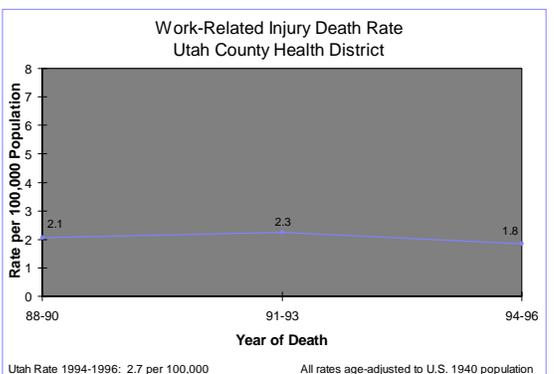
MOTOR VEHICLE CRASH DEATHS per 100,000 population*

Utah County Rank 4/12
Average deaths/year 47



WORK-RELATED INJURY DEATHS per 100,000 population*

Utah County Rank 2/12
Average deaths/year 6

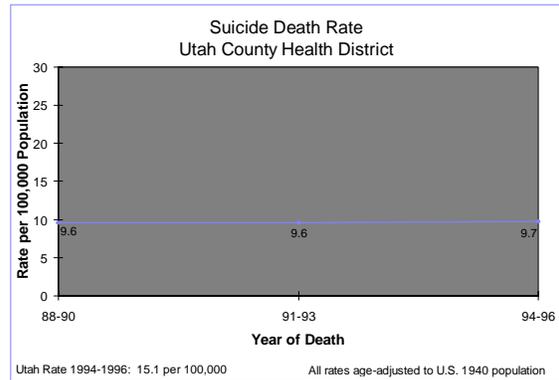


* Mortality rates age-adjusted to U.S. 1940 population

Utah County Health District

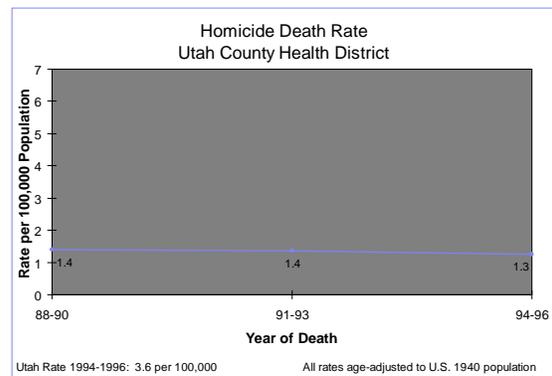
SUICIDES per 100,000 population*

Utah County Rank 2/12
 Average deaths/year 28



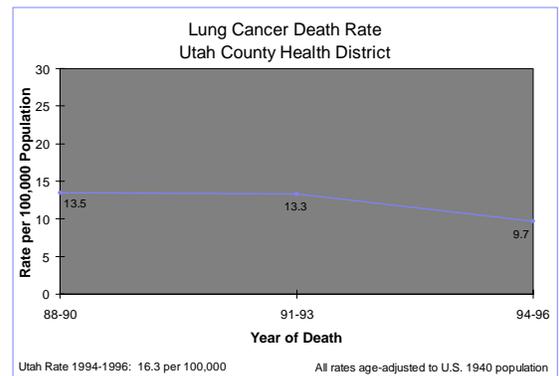
HOMICIDES per 100,000 population*

Utah County Rank 3/12
 Average deaths/year 4



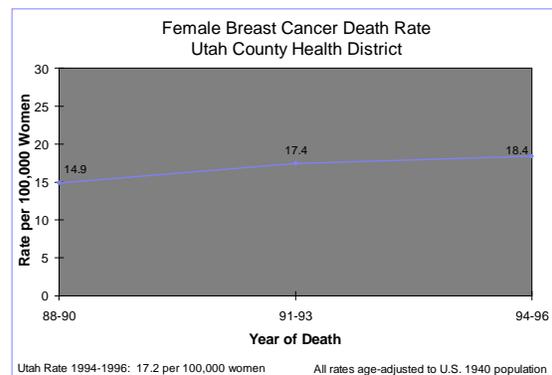
LUNG CANCER DEATHS per 100,000 population*

Utah County Rank 2/12
 Average deaths/year 26



FEMALE BREAST CANCER DEATHS per 100,000 women*

Utah County Rank 8/12
 Average deaths/year 25

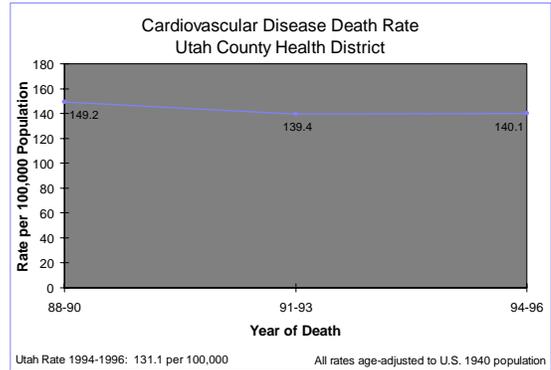


* Mortality rates age-adjusted to U.S. 1940 population

Utah County Health District

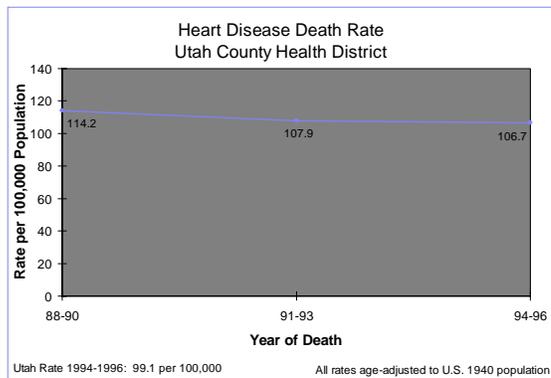
CARDIOVASCULAR DISEASE DEATHS per 100,000 population*

Utah County Rank 9/12
 Average deaths/year 509



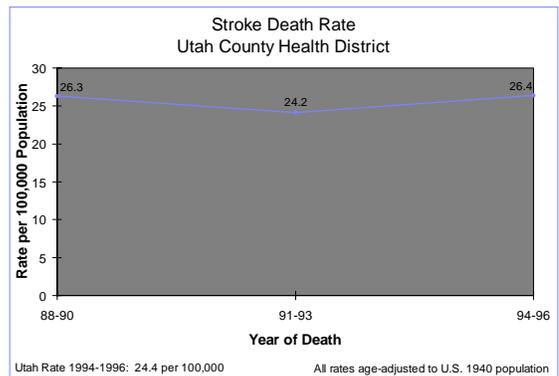
HEART DISEASE DEATHS per 100,000 population*

Utah County Rank 8/12
 Average deaths/year 376



STROKE DEATHS per 100,000 population*

Utah County Rank 8/12
 Average deaths/year 106

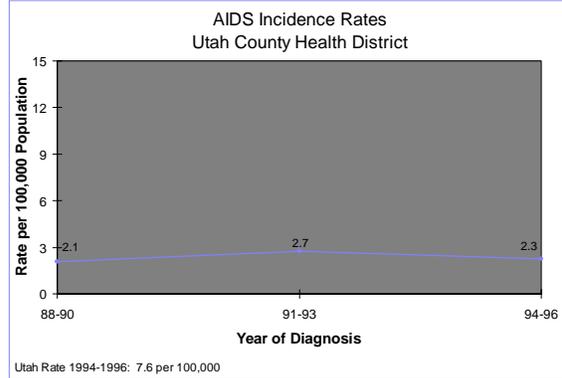


* Mortality rates age-adjusted to U.S. 1940 population

Utah County Health District

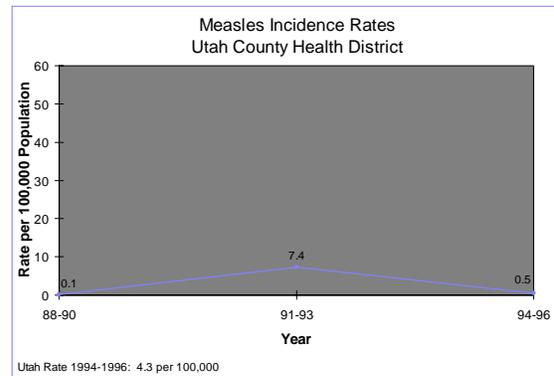
Reported incidence (per 100,000 population) of ACQUIRED IMMUNODEFICIENCY SYNDROME (1994-1996)

Utah County Rank 4/11
Average cases/year 7



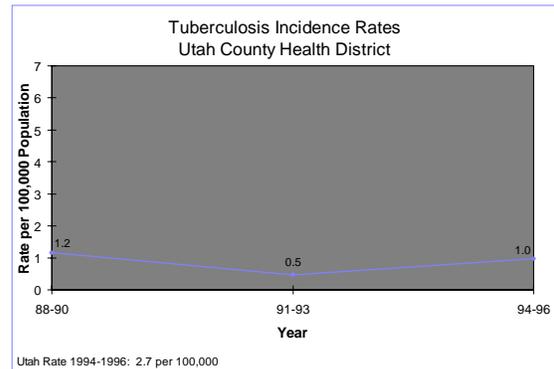
Reported incidence (per 100,000 population) of MEASLES (1994-1996)

Utah County Rank 8/12
Average cases/year 2



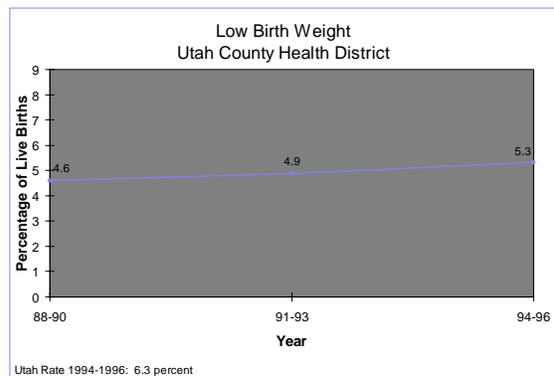
Reported incidence (per 100,000 population) of TUBERCULOSIS (1994-1996)

Utah County Rank 7/12
Average cases/year 3



Prevalence of LOW BIRTH WEIGHT as measured by the percentage of live born infants weighing under 2,500 grams at birth

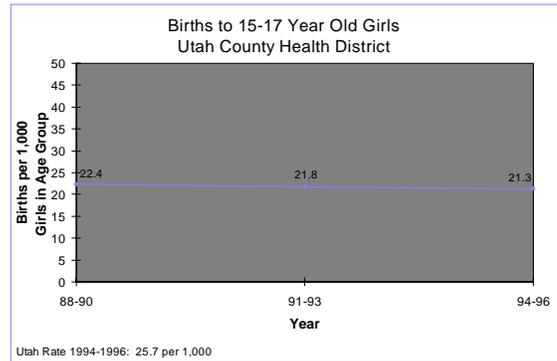
Utah County Rank 2/12
Average number of LBW births/year 424



Utah County Health District

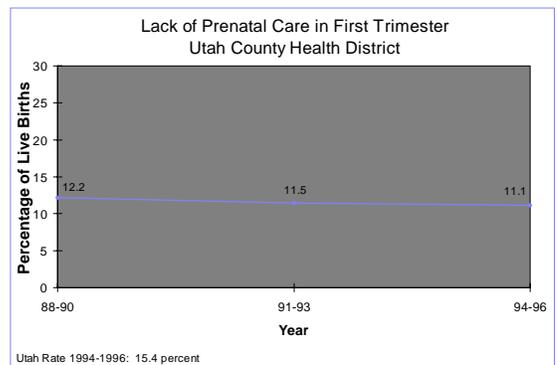
BIRTHS TO 15-17 YEAR OLD GIRLS per 1,000 girls aged 15-17 (1994-1996)

Utah County Rank 4/12
 Average births/year
 to 15-17 yr old girls 187



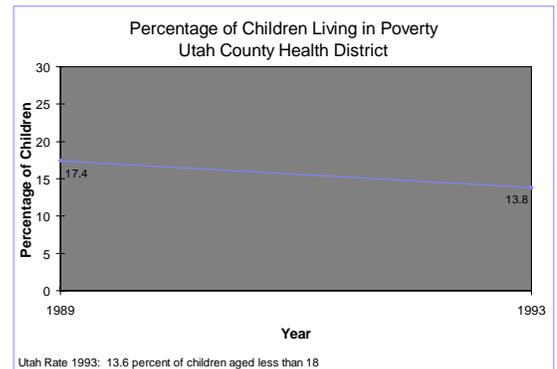
INADEQUATE PRENATAL CARE as measured by the percent of mothers delivering live infants who did not receive care in the first trimester (1994-1996)

Utah County Rank 2/12
 Average births/year with
 inadequate prenatal care 885



CHILDHOOD POVERTY as measured by the proportion of children under age 18 living in families at or below the poverty level (1993 data applied to 1998 population)

Utah County Rank 7/12
 Number of children
 living in poverty 16,367



AIR QUALITY as measured by the proportion of persons living in counties exceeding U.S. Environmental Protection Agency standards for air quality during 1996

Utah County: No standards exceeded in 1996
 Utah: 0% live in counties where at least one standard exceeded

Wasatch City/County Health District

Counties:

Wasatch

Estimated July 1, 1998 Population

13,625



Demographic Information*	Wasatch	Utah
Race ➤ % White ➤ % African American ➤ % American Indian ➤ % Asian/Pacific Islander	 99.2 0.1 0.5 0.3	 95.2 0.8 1.5 2.5
Ethnicity ➤ % Hispanic (includes all races)	 3.3	 6.5
Education ➤ % with less than high school (ages 18+) ➤ % with college degree (ages 18+)	 18.3 24.1	 15.6 26.5
Income ➤ % of households with income less than \$10,000/yr ➤ % of households with income \$50,000/yr or more	 11.3 16.7	 12.6 19.9

* see Appendix 2 for definitions and data sources

Wasatch City/County Health District

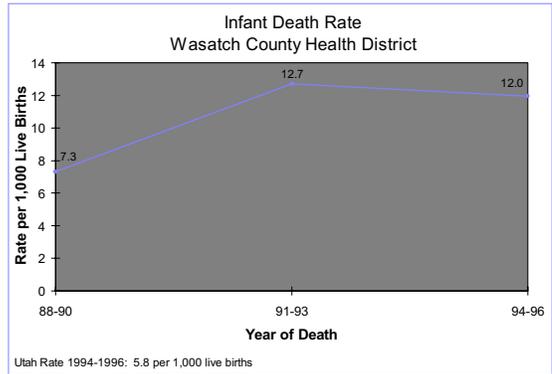
1996 Risk Factor and Health Related Behavior Information*	Wasatch	Utah
Smoking <ul style="list-style-type: none"> ➤ % Current Smokers (age 18 or over) ➤ % Households with at least one adult smoker 	<p>11.5</p> <p>17.6</p>	<p>12.4</p> <p>19.4</p>
Alcohol Use <ul style="list-style-type: none"> ➤ % Current Drinkers (age 18 or over) 	<p>21.6</p>	<p>25.3</p>
Chronic Disease Risk Factors <ul style="list-style-type: none"> ➤ Hypertension per 1,000 persons ➤ Diabetes per 1,000 persons ➤ % who exercise (age 6 or over) ➤ % at or above 120% ideal body weight (age 18 or over) ➤ % who have had cholesterol checked 	<p>160.8</p> <p>26.6</p> <p>46.2</p> <p>20.7</p> <p>69.0</p>	<p>189.6</p> <p>29.1</p> <p>44.9</p> <p>24.4</p> <p>71.9</p>
Asthma <ul style="list-style-type: none"> ➤ Reported asthma per 1,000 persons ➤ Reported asthma per 1,000 children aged 0-17 	<p>37.1</p> <p>33.3</p>	<p>41.2</p> <p>42.9</p>
Guns <ul style="list-style-type: none"> ➤ % Households with guns ➤ % Households with unlocked and loaded guns 	<p>62.0</p> <p>3.9</p>	<p>43.9</p> <p>2.9</p>
Health Care Access <ul style="list-style-type: none"> ➤ % with no health insurance ➤ % with outpatient visit in past 12 months ➤ % with no primary medical provider or usual place for medical care ➤ % women over age 40 who have ever had mammography 	<p>12.9</p> <p>85.1</p> <p>14.8</p> <p>76.3</p>	<p>9.5</p> <p>81.6</p> <p>17.8</p> <p>84.3</p>
Injury <ul style="list-style-type: none"> ➤ % of people injured within last 12 months ➤ % of households in which ≥ 1 member was a victim of interpersonal violence (not just domestic violence) 	<p>10.4</p> <p>4.0</p>	<p>10.5</p> <p>9.1</p>

* see Appendix 2 for definitions and data sources

Wasatch City/County Health District

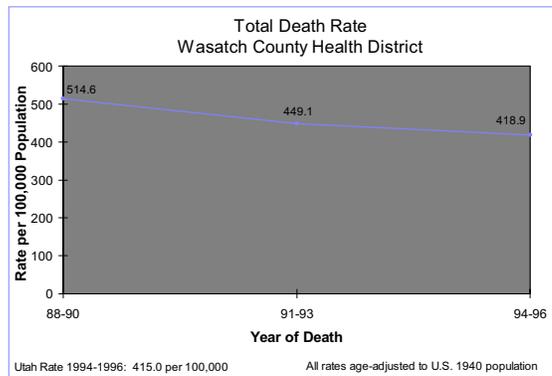
INFANT MORTALITY as measured by the rate (per 1,000 live births) of deaths among infants under one year of age

Wasatch Rank 11/12
Average deaths/year 3



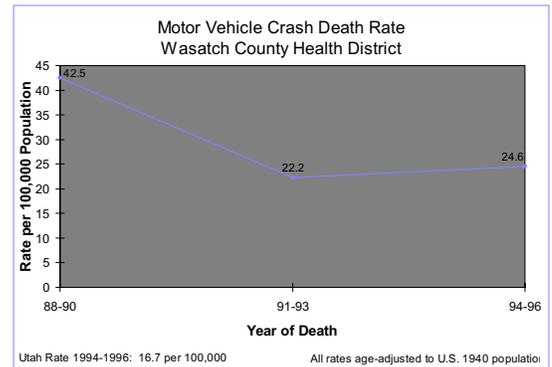
TOTAL DEATHS per 100,000 population*

Wasatch Rank 6/12
Average deaths/year 76



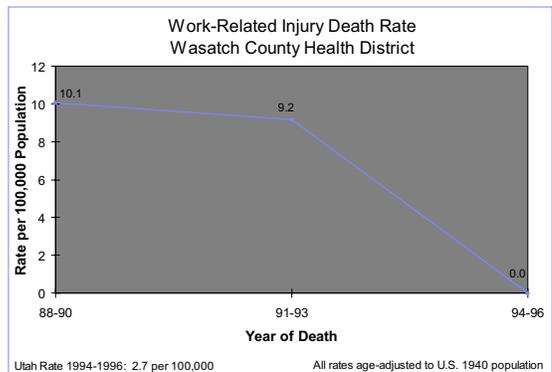
MOTOR VEHICLE CRASH DEATHS per 100,000 population*

Wasatch Rank 8/12
Average deaths/year 3



WORK-RELATED INJURY DEATHS per 100,000 population*

Wasatch Rank 1/12
Average deaths/year <1

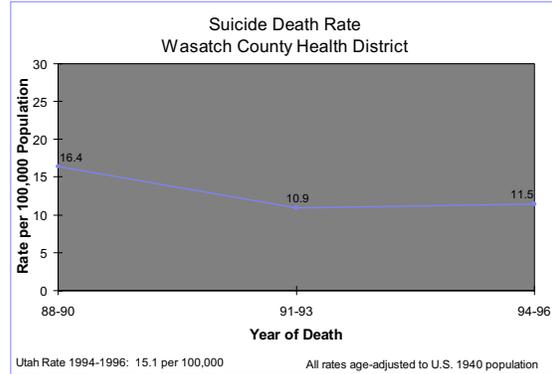


* Mortality rates age-adjusted to U.S. 1940 population

Wasatch City/County Health District

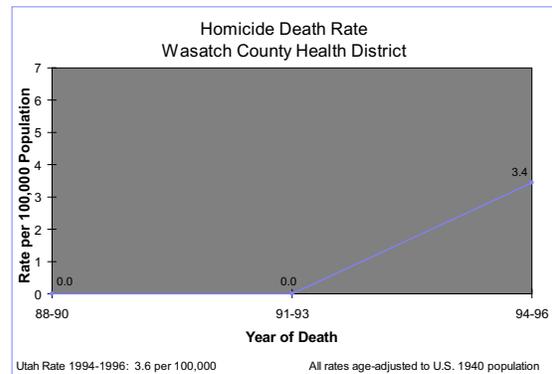
SUICIDES per 100,000 population*

Wasatch Rank 3/12
Average deaths/year 1



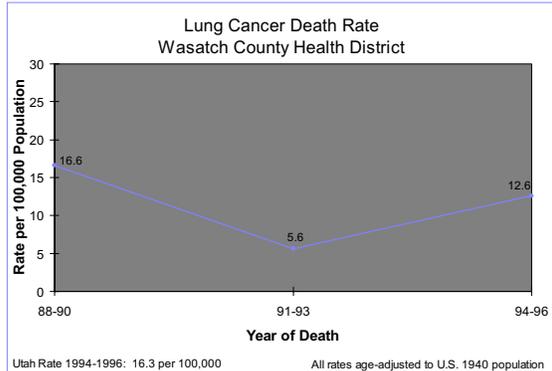
HOMICIDES per 100,000 population*

Wasatch Rank 8/12
Average deaths/year <1



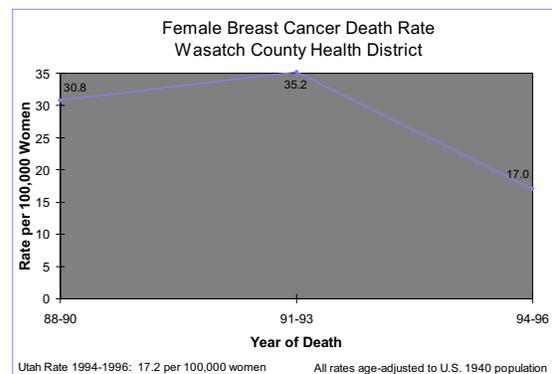
LUNG CANCER DEATHS per 100,000 population*

Wasatch Rank 4/12
Average deaths/year 2



FEMALE BREAST CANCER DEATHS per 100,000 women*

Wasatch Rank 5/12
Average deaths/year 2

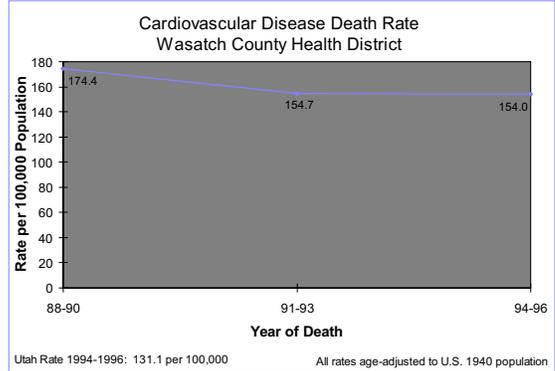


* Mortality rates age-adjusted to U.S. 1940 population

Wasatch City/County Health District

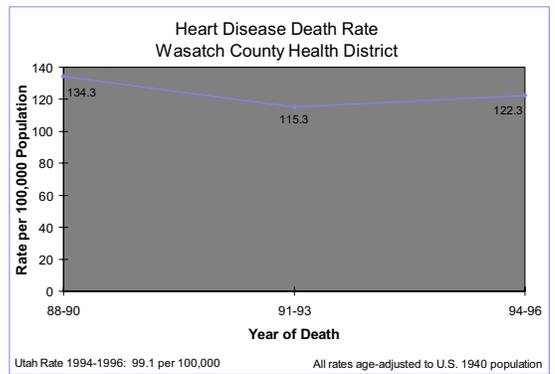
CARDIOVASCULAR DISEASE DEATHS per 100,000 population*

Wasatch Rank 11/12
Average deaths/year 31



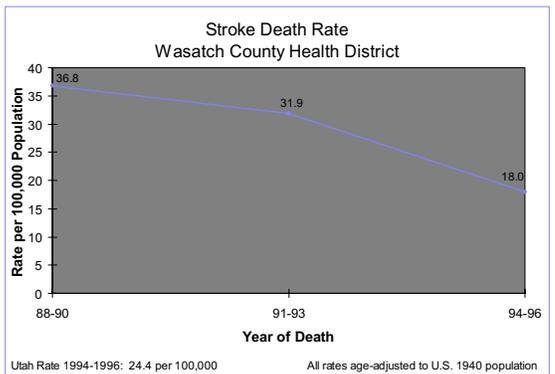
HEART DISEASE DEATHS per 100,000 population*

Wasatch Rank 10/12
Average deaths/year 23



STROKE DEATHS per 100,000 population*

Wasatch Rank 3/12
Average deaths/year 5

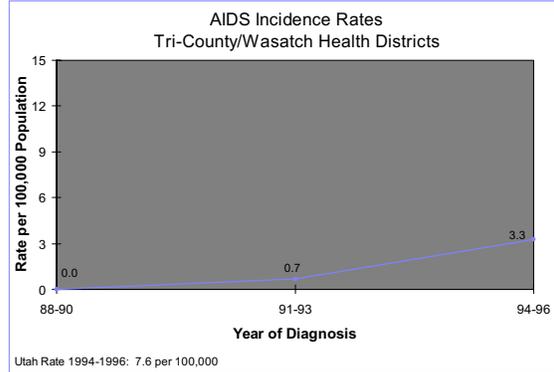


* Mortality rates age-adjusted to U.S. 1940 population

Wasatch City/County Health District

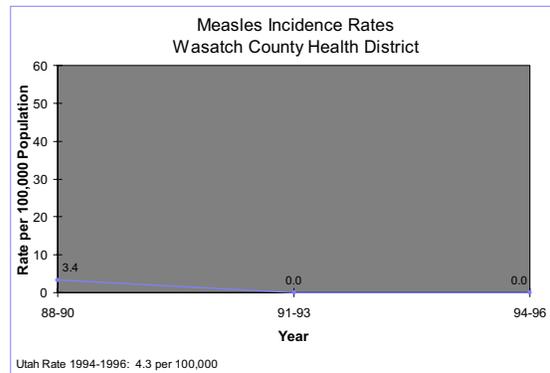
Reported incidence (per 100,000 population) of **ACQUIRED IMMUNODEFICIENCY SYNDROME** (1994-1996)

Tri-CountyWasatch Rank 6/11
Average cases/year 2



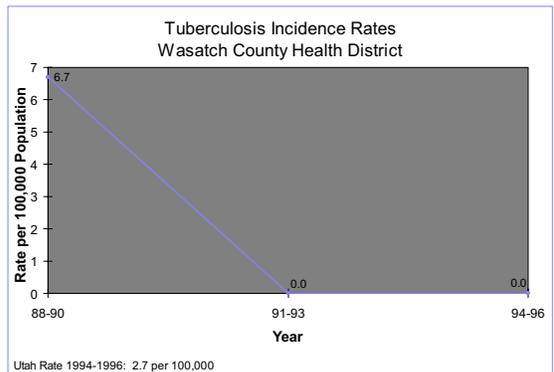
Reported incidence (per 100,000 population) of **MEASLES** (1994-1996)

Wasatch Rank 1/12
Average cases/year <1



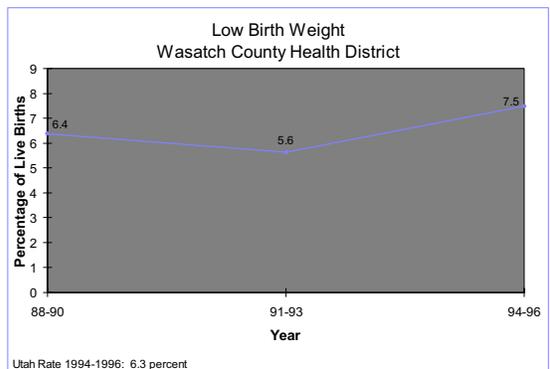
Reported incidence (per 100,000 population) of **TUBERCULOSIS** (1994-1996)

Wasatch Rank 1/12
Average cases/year <1



Prevalence of LOW BIRTH WEIGHT as measured by the percentage of live born infants weighing under 2,500 grams at birth

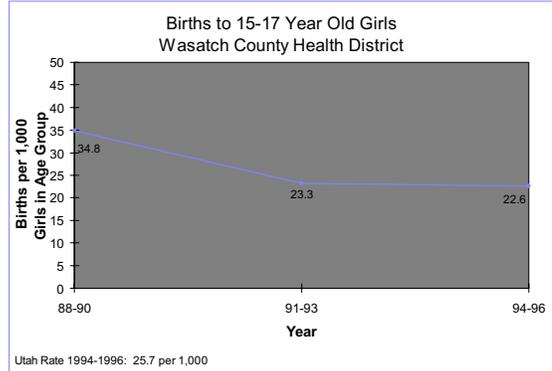
Wasatch Rank 9/12
Average number of LBW births/year 17



Wasatch City/County Health District

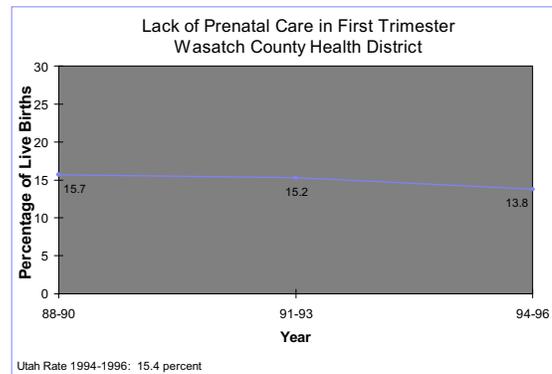
BIRTHS TO 15-17 YEAR OLD GIRLS per 1,000 girls aged 15-17 (1994-1996)

Wasatch Rank 5/12
 Average births/year to 15-17 yr old girls 9



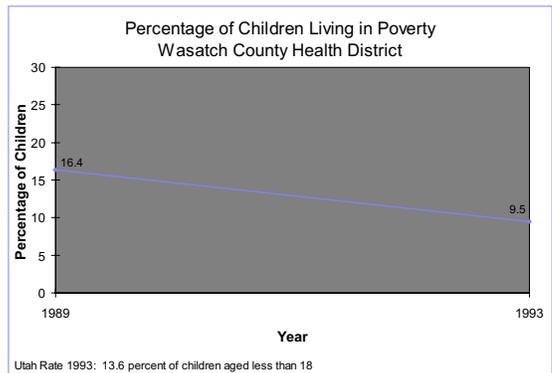
INADEQUATE PRENATAL CARE as measured by the percent of mothers delivering live infants who did not receive care in the first trimester (1994-1996)

Wasatch Rank 5/12
 Average births/year with inadequate prenatal care 31



CHILDHOOD POVERTY as measured by the proportion of children under age 18 living in families at or below the poverty level (1993 data applied to 1998 population)

Wasatch Rank 3/12
 Number of children living in poverty 428



AIR QUALITY as measured by the proportion of persons living in counties exceeding U.S. Environmental Protection Agency standards for air quality during 1996

Wasatch: No standards exceeded in 1996
 Utah: 0% live in counties where at least one standard exceeded

Weber/Morgan District Health District

Counties:

Morgan
Weber

Estimated July 1, 1998 Population

191,201



Demographic Information*	Weber/Mor.	Utah
<p>Race</p> <ul style="list-style-type: none"> ➤ % White ➤ % African American ➤ % American Indian ➤ % Asian/Pacific Islander 	<p>95.7</p> <p>1.8</p> <p>0.7</p> <p>1.8</p>	<p>95.2</p> <p>0.8</p> <p>1.5</p> <p>2.5</p>
<p>Ethnicity</p> <ul style="list-style-type: none"> ➤ % Hispanic (includes all races) 	<p>9.7</p>	<p>6.5</p>
<p>Education</p> <ul style="list-style-type: none"> ➤ % with less than high school (ages 18+) ➤ % with college degree (ages 18+) 	<p>17.7</p> <p>23.1</p>	<p>15.6</p> <p>26.5</p>
<p>Income</p> <ul style="list-style-type: none"> ➤ % of households with income less than \$10,000/yr ➤ % of households with income \$50,000/yr or more 	<p>12.6</p> <p>19.9</p>	<p>12.6</p> <p>19.9</p>

* see Appendix 2 for definitions and data sources

Weber/Morgan District Health District

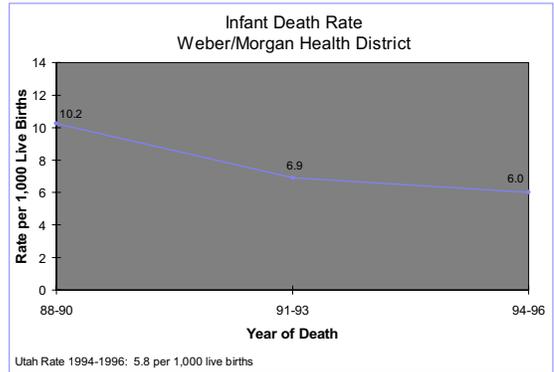
1996 Risk Factor and Health Related Behavior Information*	Weber-Morgan	Utah
Smoking <ul style="list-style-type: none"> ➤ % Current Smokers (age 18 or over) ➤ % Households with at least one adult smoker 	<p>15.6</p> <p>22.6</p>	<p>12.4</p> <p>19.4</p>
Alcohol Use <ul style="list-style-type: none"> ➤ % Current Drinkers (age 18 or over) 	<p>26.8</p>	<p>25.3</p>
Chronic Disease Risk Factors <ul style="list-style-type: none"> ➤ Hypertension per 1,000 persons ➤ Diabetes per 1,000 persons ➤ % who exercise (age 6 or over) ➤ % at or above 120% ideal body weight (age 18 or over) ➤ % who have had cholesterol checked 	<p>185.5</p> <p>33.4</p> <p>44.5</p> <p>23.6</p> <p>76.1</p>	<p>189.6</p> <p>29.1</p> <p>44.9</p> <p>24.4</p> <p>71.9</p>
Asthma <ul style="list-style-type: none"> ➤ Reported asthma per 1,000 persons ➤ Reported asthma per 1,000 children aged 0-17 	<p>52.9</p> <p>63.1</p>	<p>41.2</p> <p>42.9</p>
Guns <ul style="list-style-type: none"> ➤ % Households with guns ➤ % Households with unlocked and loaded guns 	<p>45.4</p> <p>2.7</p>	<p>43.9</p> <p>2.9</p>
Health Care Access <ul style="list-style-type: none"> ➤ % with no health insurance ➤ % with outpatient visit in past 12 months ➤ % with no primary medical provider or usual place for medical care ➤ % women over age 40 who have ever had mammography 	<p>8.6</p> <p>90.4</p> <p>15.6</p> <p>83.6</p>	<p>9.5</p> <p>81.6</p> <p>17.8</p> <p>84.3</p>
Injury <ul style="list-style-type: none"> ➤ % of people injured within last 12 months ➤ % of households in which ≥1 member was a victim of interpersonal violence (not just domestic violence) 	<p>11.2</p> <p>10.8</p>	<p>10.5</p> <p>9.1</p>

* see Appendix 2 for definitions and data sources

Weber/Morgan District Health District

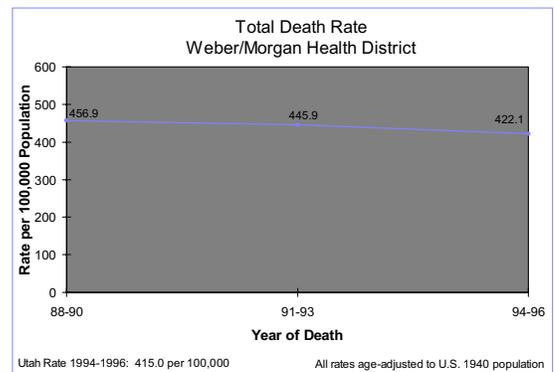
INFANT MORTALITY as measured by the rate (per 1,000 live births) of deaths among infants under one year of age

Weber/Morgan Rank 6/12
Average deaths/year 21



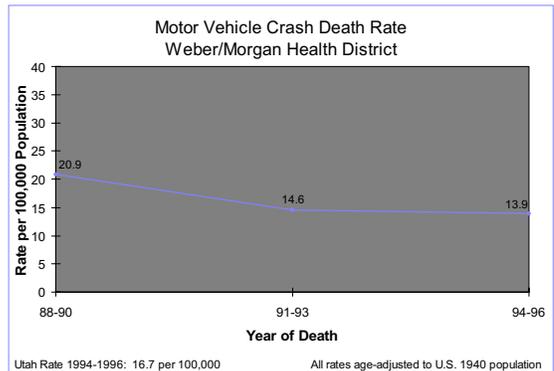
TOTAL DEATHS per 100,000 population*

Weber/Morgan Rank 7/12
Average deaths/year 1,188



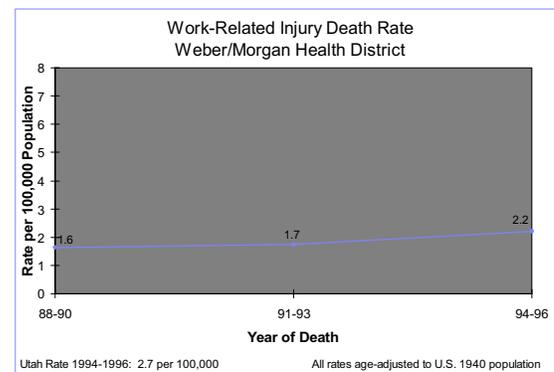
MOTOR VEHICLE CRASH DEATHS per 100,000 population*

Weber/Morgan Rank 2/12
Average deaths/year 26



WORK-RELATED INJURY DEATHS per 100,000 population*

Weber/Morgan Rank 4/12
Average deaths/year 4

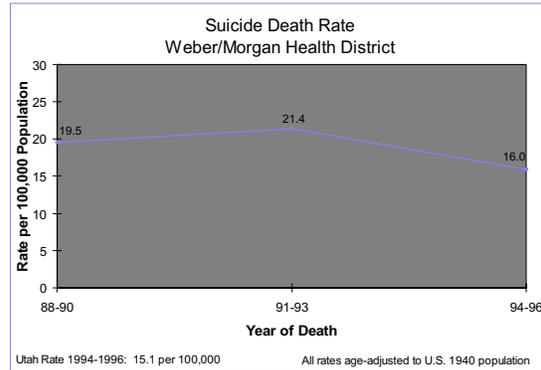


* Mortality rates age-adjusted to U.S. 1940 population

Weber/Morgan District Health District

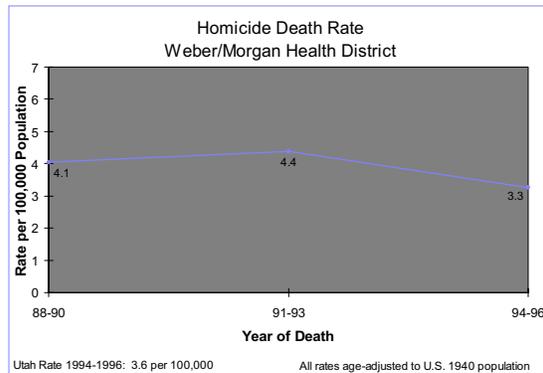
SUICIDES per 100,000 population*

Weber/Morgan Rank 8/12
Average deaths/year 29



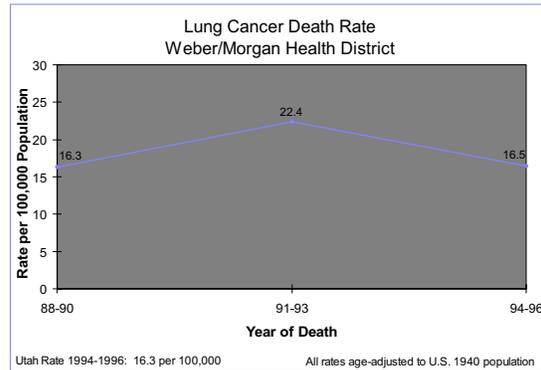
HOMICIDES per 100,000 population*

Weber/Morgan Rank 6/12
Average deaths/year 6



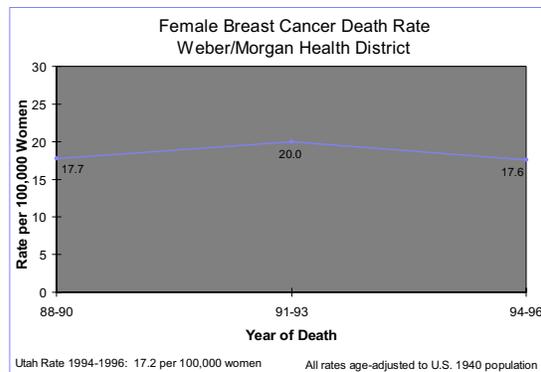
LUNG CANCER DEATHS per 100,000 population*

Weber/Morgan Rank 6/12
Average deaths/year 40



FEMALE BREAST CANCER DEATHS per 100,000 women*

Weber/Morgan Rank 6/12
Average deaths/year 22

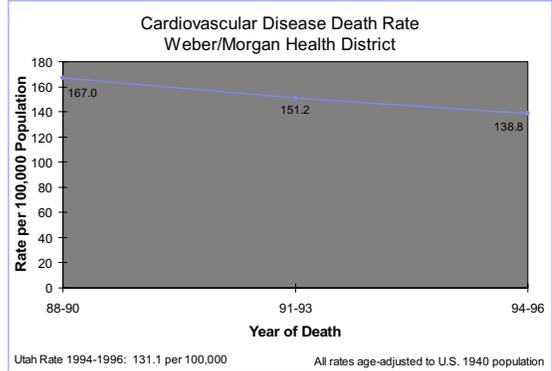


* Mortality rates age-adjusted to U.S. 1940 population

Weber/Morgan District Health District

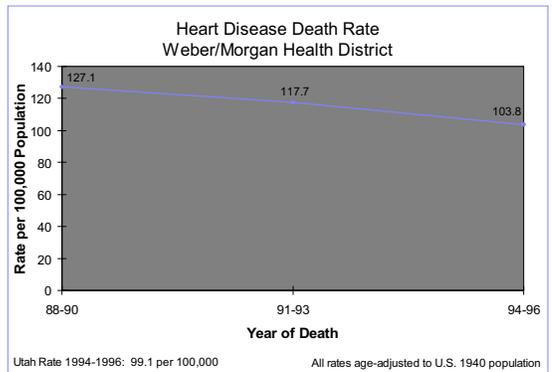
CARDIOVASCULAR DISEASE DEATHS per 100,000 population*

Weber/Morgan Rank 8/12
Average deaths/year 460



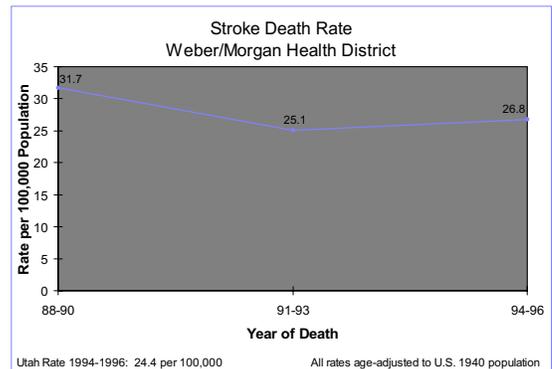
HEART DISEASE DEATHS per 100,000 population*

Weber/Morgan Rank 7/12
Average deaths/year 337



STROKE DEATHS per 100,000 population*

Weber/Morgan Rank 9/12
Average deaths/year 94

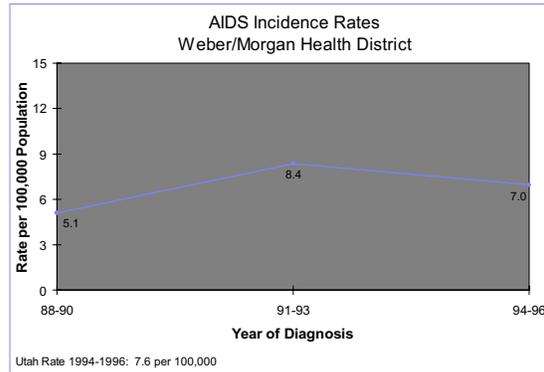


* Mortality rates age-adjusted to U.S. 1940 population

Weber/Morgan District Health District

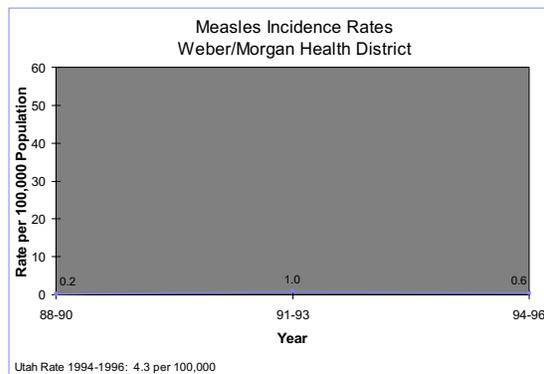
Reported incidence (per 100,000 population) of **ACQUIRED IMMUNODEFICIENCY SYNDROME** (1994-1996)

Weber/Morgan Rank 10/11
Average cases/year 13



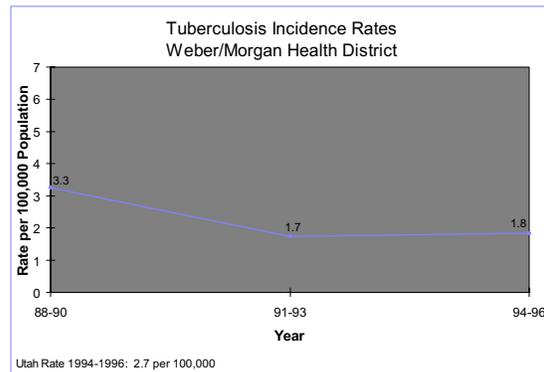
Reported incidence (per 100,000 population) of **MEASLES** (1994-1996)

Weber/Morgan Rank 9/12
Average cases/year 1



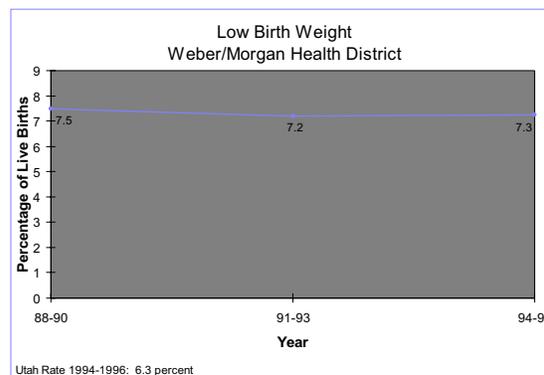
Reported incidence (per 100,000 population) of **TUBERCULOSIS** (1994-1996)

Weber/Morgan Rank 9/12
Average cases/year 3



Prevalence of LOW BIRTH WEIGHT as measured by the percentage of live born infants weighing under 2,500 grams at birth

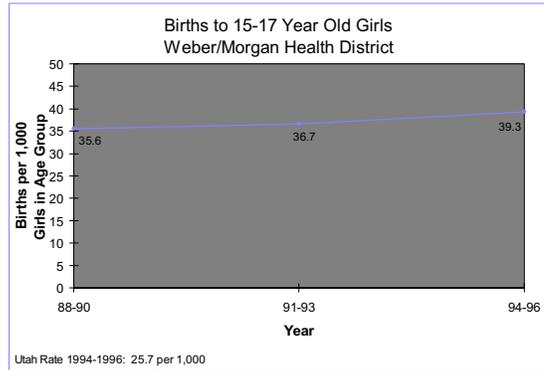
Weber/Morgan Rank 8/12
Average number of LBW births/year 257



Weber/Morgan District Health District

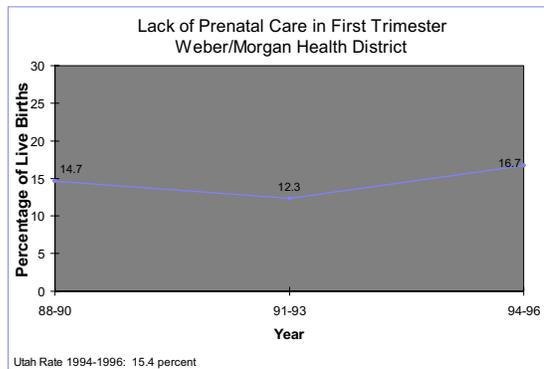
BIRTHS TO 15-17 YEAR OLD GIRLS per 1,000 girls aged 15-17 (1994-1996)

Weber/Morgan Rank 8/12
 Average births/year to 15-17 yr old girls 195



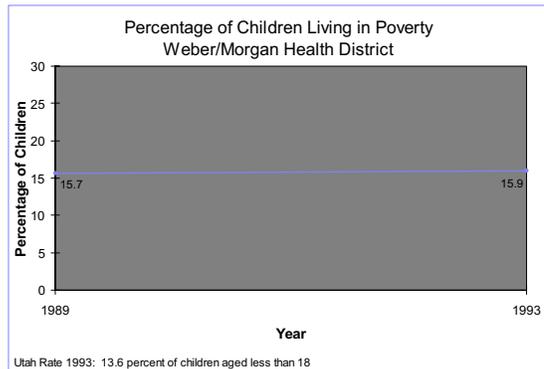
INADEQUATE PRENATAL CARE as measured by the percent of mothers delivering live infants who did not receive care in the first trimester (1994-1996)

Weber/Morgan Rank 6/12
 Average births/year with inadequate prenatal care 594



CHILDHOOD POVERTY as measured by the proportion of children under age 18 living in families at or below the poverty level (1993 data applied to 1998 population)

Weber/Morgan Rank 8/12
 Number of children living in poverty 9,536



AIR QUALITY as measured by the proportion of persons living in counties exceeding U.S. Environmental Protection Agency standards for air quality during 1996

Weber/Morgan: No standards exceeded in 1996
 Utah: 0% live in counties where at least one standard exceeded

Appendix 1

Population Figures Used in Report 1989-1996 Average Population Figures for Utah Health Departments

Agegroup	Years	Bear River	Central Utah	Davis County	Salt Lake County	South-Eastern	South-West
0 - 4	1988-1990	11,765	4,980	20,470	72,035	5,020	7,850
	1991-1993	11,906	4,723	20,026	73,666	4,700	8,389
	1994-1996	12,462	4,882	19,553	76,674	4,504	10,041
5 - 14	1988-1990	23,549	12,384	43,666	144,200	11,344	17,382
	1991-1993	24,413	12,442	45,341	149,390	11,061	18,380
	1994-1996	24,292	11,801	44,485	148,140	10,439	19,377
15 - 24	1988-1990	20,110	7,580	30,273	112,847	7,160	13,265
	1991-1993	21,898	8,998	33,657	120,583	7,997	15,890
	1994-1996	24,613	11,132	38,513	132,489	9,672	19,459
25 - 34	1988-1990	16,807	6,101	29,520	125,950	7,125	9,928
	1991-1993	16,965	6,253	31,199	126,458	6,471	11,426
	1994-1996	17,778	6,986	32,633	125,447	6,496	15,579
35 - 44	1988-1990	11,965	6,085	24,005	100,985	6,623	8,983
	1991-1993	13,636	6,947	27,821	114,741	7,203	10,731
	1994-1996	15,385	7,893	31,704	124,487	7,679	13,597
45 - 54	1988-1990	7,785	4,167	15,659	59,811	4,192	6,183
	1991-1993	8,259	4,519	17,499	68,024	4,513	7,117
	1994-1996	9,430	5,488	20,809	81,457	5,365	9,240
55 - 64	1988-1990	6,246	3,861	11,271	44,429	3,667	6,455
	1991-1993	6,516	3,746	12,390	45,577	3,615	6,695
	1994-1996	6,908	3,780	13,591	48,490	3,673	7,281
65 - 74	1988-1990	5,068	3,830	7,256	35,414	3,027	6,919
	1991-1993	5,129	3,849	8,286	37,508	3,177	7,904
	1994-1996	5,284	3,861	9,344	38,866	3,285	8,701
75 - 84	1988-1990	3,276	2,514	3,038	19,114	1,640	3,685
	1991-1993	3,500	2,738	3,529	20,836	1,789	4,559
	1994-1996	3,663	2,895	4,211	22,817	1,965	5,820
85+	1988-1990	1,015	601	844	5,550	448	902
	1991-1993	1,094	639	919	6,219	491	1,063
	1994-1996	1,167	745	1,033	6,752	560	1,384
Total	1988-1990	107,587	52,102	186,002	720,335	50,247	81,552
	1991-1993	113,317	54,853	200,667	763,000	51,017	92,153
	1994-1996	120,982	59,464	215,875	805,619	53,639	110,481
Total Female	1988-1990	53,724	26,208	92,373	363,193	25,405	41,258
	1991-1993	56,405	27,608	99,680	383,872	25,832	46,580
	1994-1996	60,232	29,910	107,046	404,673	27,125	55,768
Girls Aged 15-17	1988-1990	2,645	1,537	5,202	17,311	1,469	2,147
	1991-1993	3,002	1,786	6,009	19,396	1,634	2,435
	1994-1996	3,631	2,003	6,996	22,420	1,796	2,962
Average # of Births	1988-1990	2,437	920	3,910	14,737	936	1,583
	1991-1993	2,447	924	3,835	15,077	889	1,715
	1994-1996	2,602	983	4,143	15,912	850	2,174

Appendix 1 continued

Population Figures Used in Report
1989-1996 Average Population Figures for Utah Health Departments (continued)

Agegroup	Years	Summit County	Tooele County	Tri- County	Utah County	Wasatch County	Weber/ Morgan
0 - 4	1988-1990	1,378	2,443	3,940	28,999	1,015	15,355
	1991-1993	1,535	2,389	3,551	31,953	960	15,889
	1994-1996	1,767	2,504	3,320	36,432	1,005	17,025
5 - 14	1988-1990	2,979	5,653	8,886	55,060	2,162	31,929
	1991-1993	3,454	5,560	8,907	56,935	2,445	32,327
	1994-1996	3,802	5,358	8,352	57,675	2,404	31,742
15 - 24	1988-1990	1,948	4,106	4,977	63,846	1,494	25,875
	1991-1993	2,499	4,555	5,618	69,531	1,715	28,441
	1994-1996	3,253	5,261	6,831	77,118	2,140	31,930
25 - 34	1988-1990	2,873	3,946	5,263	39,071	1,571	25,304
	1991-1993	3,346	3,880	5,021	41,869	1,465	25,288
	1994-1996	3,873	4,139	4,764	47,105	1,605	26,047
35 - 44	1988-1990	2,786	3,530	4,571	25,682	1,341	20,775
	1991-1993	3,619	3,840	5,225	29,427	1,597	22,974
	1994-1996	4,413	4,221	5,907	33,530	1,911	24,531
45 - 54	1988-1990	1,378	2,643	3,072	16,223	846	14,174
	1991-1993	1,840	2,921	3,247	18,121	1,013	15,395
	1994-1996	2,631	3,311	3,737	21,649	1,250	17,768
55 - 64	1988-1990	828	2,020	2,363	12,913	651	12,390
	1991-1993	1,022	2,070	2,491	13,464	695	12,337
	1994-1996	1,246	2,211	2,663	14,054	776	12,482
65 - 74	1988-1990	518	1,424	1,713	10,369	510	10,504
	1991-1993	629	1,568	1,832	11,074	570	11,071
	1994-1996	815	1,716	1,947	11,642	608	11,221
75 - 84	1988-1990	293	636	893	5,950	281	5,501
	1991-1993	338	729	970	6,512	345	6,023
	1994-1996	436	848	1,058	7,089	393	6,720
85+	1988-1990	53	164	210	1,557	78	1,644
	1991-1993	84	188	240	1,780	96	1,805
	1994-1996	119	224	294	1,992	102	1,953
Total	1988-1990	15,034	26,564	35,887	259,669	9,950	163,452
	1991-1993	18,367	27,700	37,101	280,666	10,900	171,550
	1994-1996	22,354	29,793	38,874	308,286	12,193	181,420
Total Female	1988-1990	7,349	13,120	17,952	131,430	4,989	82,932
	1991-1993	8,986	13,716	18,595	141,884	5,440	86,771
	1994-1996	10,959	14,770	19,516	155,539	6,079	91,572
Girls Aged 15-17	1988-1990	355	766	1,090	6,940	258	4,135
	1991-1993	429	855	1,238	7,909	329	4,509
	1994-1996	554	899	1,388	8,777	398	4,964
Average # of Births	1988-1990	249	465	707	6,636	183	3,188
	1991-1993	297	486	700	6,970	184	3,240
	1994-1996	356	550	661	7,962	223	3,545

Definitions of Demographic, Risk Factor, and Health Related Behavior Information

Demographic Information	Definition
Race, ethnicity ¹	Percentages based on Modified Age, Race and Sex (MARS) file from the 1990 Census of the Population
Education ²	Highest grade in school completed; percentages are for those aged 18 years and older
Income ²	Combined household income; expressed as percentage of households
Risk Factors and Health Related Behaviors ²	Definition
Current Smoking	Ever smoked 100 cigarettes, and a current smoker; percent of those aged 18 years and older
Current Alcohol Use	Had at least 12 drinks containing alcohol in entire lifetime, and had at least one drink of beer, wine, or liquor during the past month; percentage of those aged 18 years and older
Hypertension	High blood pressure ever diagnosed by a medical doctor (all ages)
Diabetes	Diabetes ever diagnosed by a medical doctor (all ages)
Exercise	Exercise vigorously for at least 10 minutes at least 3 times per week; percentage of those aged 18 years and older
Ideal body weight	Ideal body weight from 1959 Metropolitan Desirable Weight Table; percentage of those aged 18 years and older
Cholesterol testing	Ever had blood cholesterol checked; percentage of those age 18 years and older
Asthma	Currently under medical care for asthma (all ages, and aged 0-17)
Households with guns	Anyone in the household own any guns; expressed as a percentage of households
Household with loaded guns	Any of the guns currently loaded; expressed as percentage of households
No health insurance	Individual not covered by ANY insurance, including Medicaid, Medicare, Indian Health Service (all ages)
Outpatient visit in past 12 months	Received outpatient services in the past 12 months (all ages)
Women who have ever had mammography	"How long has it been since you/she had a mammogram"; re-coded into percentage of women over age 40 who have ever had mammogram

¹ MARS data made available by the Governor's Office of Planning and Budget

² Education, income, risk factor, and health related behavior data from "Utah's 1996 Health Status Survey"

Appendix 3

Health Status Indicators by Race and Hispanic Origin: United States, 1995

Health Status Indicators	Race					
	Total ¹	White	Black	American Indian/ Alaska Native	Asian/ Pacific Islander	Hispanic Origin ²
1 Race/ethnicity-specific infant mortality as measured by the rate (per 1,000 live births) of deaths among infants under one year of age.	7.6	6.3	15.1	11.3 ⁸	5.8 ³	7.1 ^{3,4}
2 Total Deaths per 100,000 population (ICD-9 nos. 0-E999) ⁵	503.9	476.9	765.7	468.5	298.9	381.5
3 Motor vehicle crash deaths per 100,000 population (ICD-9 nos. E810-E825) ⁵	18.3	16.4	16.6	33.1	10.8	16.3
4 Work-related injury deaths per 100,000 population ⁶	3.0	2.9	2.8	1.7	2.2	3.2
5 Suicides per 100,000 population (ICD-9 nos. E950-E959) ⁵	11.2	11.9	6.9	12.2	6.6	7.0
6 Homicides per 100,000 population (ICD-9 nos. E960-E978) ⁵	9.4	5.5	33.4	11.9	5.4	14.7
7 Lung cancer deaths per 100,000 population (ICD-9 no. 162) ⁵	38.3	38.0	47.3	22.7	18.0	14.5
8 Female breast cancer deaths per 100,000 women (ICD-9 no. 174) ⁵	21.0	20.5	27.5	10.4	11.0	12.7
9 Cardiovascular disease deaths per 100,000 population (ICD-9 nos. 390-448) ⁵	174.9	167.2	259.4	132.9	110.5	117.1
Heart disease deaths per 100,000 population (ICD-9 nos. 390-398, 402, 404-429) ⁵	138.3	133.1	198.8	104.5	78.9	90.7
Stroke deaths per 100,000 population (ICD-9 nos. 430-438) ⁵	26.7	24.7	45.0	21.6	25.8	20.0
10 Reported incidence (per 100,000 population) of acquired immunodeficiency syndrome ^{7,8}	25.7	13.9 ⁸	90.5 ⁸	12.3	5.8	42.3
11 Reported incidence (per 100,000 population) of measles ⁹	0.1	---	---	---	---	---
12 Reported incidence (per 100,000 population) of tuberculosis ⁹	8.7	4.9	23.5	14.5	43.0	17.8
13 Reported incidence (per 100,000 population) of primary and secondary syphilis ⁹	6.3	0.8 ⁸	46.2 ⁹	3.0	0.6	2.1
14 Prevalence of low birth weight as measured by the percentage of live born infants weighing under 2,500 grams at birth	7.3	6.2	13.2	6.5	6.8	6.3
15 Births to adolescents (ages 10-17 years) as a percentage of total live births	5.3	4.3	10.8	8.7	2.2	7.6

Appendix 3 continued

Health Status Indicators by Race and Hispanic Origin: United States, 1995 (continued)

Health Status Indicators	Race					
	Total ¹	White	Black	American Indian/ Alaska Native	Asian/ Pacific Islander	Hispanic Origin ²
16 Prenatal care as measured by the percentage of mothers delivering live infants who did not receive care during the first trimester of pregnancy	18.7	16.4	29.6	33.3	20.1	29.2
17 Childhood poverty as measured by the proportion of children under 15 years of age living in families at or below the poverty level						
Under 18 years	20.8	16.2	41.9	---	---	40.0
Under 15 years	21.5	16.8	43.3	---	---	40.6
5-17 years ¹⁰	19.0	---	---	---	---	---
18 Proportion of persons living in counties exceeding U.S. Environmental Protection Agency standards for air quality during the previous year ¹¹	32.9	30.9	42.0	22.5	55.0	57.2

--- Data not available.

1 Includes racial and ethnic groups not shown separately.

2 Hispanic origin can be of any race.

3 1991 data: data are obtained from the Linked File.

4 Data are for 49 States and the District of Columbia.

5 Age adjusted to the 1940 standard population.

6 Data are for people 16 years and over.

7 By date of diagnosis. Adjusted for delays in reporting; not adjusted for underreporting.

8 Data are for the non-Hispanic population.

9 By date of report

10 Related children in families

11 Data based on 1990 county population estimates.

Interpreting Rates Based on Small Numbers

For many of the health districts in Utah, the measures for these health status indicators are based on very small numbers of events. We decided to report the rates even for very small numbers, because we believed that the information would be useful. It is important to remember that rates based on small numbers of events are unstable. In common language, that means that they will vary from year to year (or from three year period to three year period, in this case) even if nothing else changes. Therefore, it is important not to overreact to a rate that is higher or lower than expected.

How much are they likely to vary? Put another way, how much higher or lower than expected must a rate be before we can be sure that it really is high or low? Epidemiologists often use confidence interval to help answer that question. For these data, a confidence interval can be thought of as indicating the amount that the rate can be expected to vary from year-to-year. For example, the 95% confidence interval for a rate of 200 per 100,000 persons based on 10 deaths over five years (in a population of 1,000 persons) would be from 96 to 368 per 100,000. If the Utah rate for that cause was within the confidence interval (96-368), then the rate would not be significantly different. On the other hand, if the Utah rate was outside the confidence interval, the rate would be significantly different. For example, if the Utah rate were 180 per 100,000, the district rate of 200 per 100,000 would not be considered significantly different; if the Utah rate were 80 per 100,000, the district rate of 200 per 100,000 would be considered significantly different. However, deciding that the rates are not significantly different does not mean that the observed difference is not important. It means that we cannot be sure that chance alone did not cause the difference. It does not tell us that the difference was caused by chance.

If you want to use a confidence interval to help interpret a rate for your district, Table 1 gives the 95% confidence intervals for selected numbers of deaths. To convert the confidence interval for the number of deaths into a confidence interval around the rate use the following formula:

$$\frac{\text{number in confidence interval}}{\text{actual number of deaths}} \times \text{actual rate}$$

For example, with 10 deaths and a rate of 200 (per 100,000 persons), the confidence interval for deaths is from 4.8 to 18.4 (from Table 1) so the confidence interval for the rate is:

$$\frac{4.8}{10} \times 200 = 96$$

$$\frac{18.4}{10} \times 200 = 368$$

Please call us if you have questions.

Appendix 4 continued

Table 1. 95% Confidence Intervals

Number of Deaths	Lower	Upper
0	0	3.7
1	0	5.6
2	0.2	7.2
3	0.6	8.8
4	1.1	10.2
5	1.6	11.7
6	2.2	13.1
7	2.8	14.4
8	3.5	15.8
9	4.1	17.1
10	4.8	18.4
11	5.5	19.7
12	6.2	21
13	6.9	22.2
14	7.7	23.5
15	8.4	24.7
20	12.2	30.9
25	15.2	34.8
30	19.3	40.7
40	27.6	52.4
50	36.1	63.9
100	80.4	119.6

The Healthy People 1000 Health Status Indicators for Utah were prepared by the Bureau of Surveillance and Analysis, Office of Public Health Data, using data provided by:

Department of Health:

Bureau of Vital Records and Health Statistics
Division of Community and Family Health Services
Bureau of Chronic Disease Prevention and Control
Bureau of Epidemiology
Bureau of Environmental Services
Bureau of Health Promotion
Bureau of HIV/AIDS, Tuberculosis, and Refugee Health
Office of Ethnic and Elderly Studies

Department of Environmental Quality

Governor's Office of Planning and Budget

The U.S. rates for whites were obtained from the National Center for Health Statistics (301-436-3548).

The U.S. rates for adolescent births were obtained from reference 4 (below).

The information on income, education, risk factors, and health related behaviors was obtained from "Utah's 1996 Health Status Survey"

Office of Public Health Data
Utah Department of Health
P. O. Box 142801
Salt Lake City, Utah 84114-2101
801-538-6108

The Governor's Office of Planning and Budget provided population estimates.

Governor's Office of Planning and Budget
116 State Capitol
Salt Lake City, Utah 84114
801-538-1036

References:

1. Freedman MA: Health status indicators for the year 2000. Statistical Notes: Vol 1 no 1. Hyattsville, Maryland: National Center for Health Statistics, 1991.
2. U.S. Department of Health and Human Services. Healthy People 2000: National health promotion and disease prevention objectives for the nation. Washington: Public Health Service, 1991.

Appendix 5 continued

3. Klein RJ, Hawk SA: Health Status Indicators: Definitions and national data. Statistical Notes: Vol 1 no 3. Hyattsville, Maryland: National Center for Health Statistics, 1992.
4. National Center for Health Statistics. Health United States, 1991. Hyattsville, MD. Public Health Service. 1992.

For additional information, contact the following:

About health in Bear River District:

Bear River District Health Dept.
655 East 1300 North
Logan, Utah 84341
Telephone: 752-3730

About health in Summit County:

Summit County Public Health Dept.
88 North 50 East, POB 128
Coalville, Utah 84017
Telephone: 336-4451, extension 222

About health in Central Utah:

Central Utah Public Health Dept.
70 Westview Drive
Richfield, Utah 84701
Telephone: 896-5451 or 896-5452

About health in Tooele County:

Tooele County Health Dept.
151 North Main Street
Tooele, Utah 84074
Telephone: 843-2300

About health in Davis County:

Davis County Health Department
Courthouse Annex
50 East State Street, POB 618
Farmington, Utah 84025-0618
Telephone: 451-3340

About health in Tri-County district:

Tri-County Health Department
147 East Main Street
Vernal, Utah 84078
Telephone: 781-5475

About health in Salt Lake County:

Salt Lake City/County Health Dept.
2001 South State Street, S-2500
Salt Lake City, Utah 84190-2150
Telephone: 468-2700

About health in Utah County:

Utah County Health Dept.
589 South State Street
Provo, Utah 84606
Telephone: 370-8700

About health in Southeastern Utah:

Southeastern Utah District Health Dept.
28 South 1st East, POB 800
Price, Utah 84501
Telephone: 637-3671

About health in Wasatch County:

Wasatch City/County Health Dept.
805 West 100 South, POB 246
Heber City, Utah 84032
Telephone: 654-2700

About health in Southwest Utah

Southwest Utah Public Health Dept.
285 West Tabernacle
St. George, Utah 84770
Phone: 673-3528

About health in Weber/Morgan district:

Weber/Morgan District Health Dept.
2570 Grant Avenue
Ogden, Utah 84401
Telephone: 399-8433

Appendix 5 continued

About mortality data and rates:

Bureau of Surveillance and Analysis
Office of Public Health Data
Utah Department of Health
(801) 538-6108

Bureau of Vital Records
Office of Public Health Data
Utah Department of Health
(801) 538-6186

Div. Community & Family Health Services
Utah Department of Health
(801) 538-6901

About infant mortality and reproductive health:

Div. Community & Family Health Services
Utah Department of Health
(801) 538-6901

About injuries and violence:

Injury Prevention Program
Div. Community & Family Health Services
Utah Department of Health
(801) 538-9402

Health Education Program
Div. Community & Family Health Services
Utah Department of Health
(801) 538-6262

About measles and other infectious diseases:

Bureau of Epidemiology
Div. Epidemiology and Laboratory Services
Utah Department of Health
(801) 538-6191

About tuberculosis:

Bureau of HIV/AIDS, Tuberculosis, and
Refugee Health
Div. of Epidemiology and Laboratory Services
(801) 538-6096

About heart disease and stroke:

Cardiovascular Program
Bur. Chronic Disease Prevention & Control
Div. Community & Family Health Services
(801) 538-6141

About HIV infection and AIDS:

Bureau of HIV/AIDS, Tuberculosis, and
Refugee Health
Div. Epidemiology and Laboratory Services
Utah Department of Health
(801) 538-6096

About cancer:

Cancer Screening and Control Program
Bur. Chronic Disease Prevention & Control
Div. Community & Family Health Services
Utah Department of Health
(801) 538-6141

About air quality:

Division of Air Quality
Department of Environmental Quality
(801) 536-4000